

US-09-214-808-1
US-09-621-978-11175
US-09-422-869-1
US-09-976-594-910
US-09-103-840A-2
US-09-103-840A-1
US-09-154-750A-77
US-08-713-000-3
US-08-975-313-5
US-09-211-710-3
US-09-615-192A-3
US-09-169-789-3
US-08-911-855-6
US-09-479-409-6
US-09-615-453-6
US-09-615-192A-124
US-09-169-789-124
US-08-975-315-48

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	78.8	23.5	1878	4	US-09-620-312D-625	Sequence 625, App
C 2	30.6	9.1	1501	4	US-09-252-991A-4491	Sequence 4491, Ap
C 3	30.6	9.1	3105	4	US-09-252-991A-4398	Sequence 4398, Ap
C 4	30.2	9.0	531	4	US-09-621-976-2911	Sequence 2911, Ap
C 5	30	8.9	1080	4	US-09-252-991A-8705	Sequence 8705, Ap
C 6	30	8.9	1233	4	US-09-252-991A-9076	Sequence 9076, Ap
7	30	8.9	1293	4	US-09-252-991A-9249	Sequence 9249, Ap
C 8	29.8	8.9	1281	4	US-09-489-033A-6423	Sequence 6423, Ap
9	29.8	8.9	1882	4	US-09-620-312D-427	Sequence 427, App
10	29.6	8.8	1162	3	US-08-838-151A-1	Sequence 1, Appl
11	29.6	8.8	1166	3	US-08-838-151A-13	Sequence 13, Appl
12	29.6	8.8	1169	3	US-08-838-151A-3	Sequence 3, Appl
13	29.6	8.8	1169	3	US-08-838-151A-5	Sequence 5, Appl
14	29.6	8.8	1169	3	US-08-838-151A-7	Sequence 7, Appl
15	29.6	8.8	1246	3	US-08-838-151A-15	Sequence 15, Appl
C 16	29.6	8.8	2602	3	US-08-838-151A-17	Sequence 17, Appl
C 17	29	8.6	7615	4	US-09-620-312D-330	Sequence 330, App
C 18	29	8.6	7857	4	US-09-620-312D-353	Sequence 353, App
C 19	28.8	8.6	24707	4	US-09-740-021-3	Sequence 3, Appl
C 20	28.4	8.5	556	4	US-09-833-381-1969	Sequence 1969, Ap
C 21	28.4	8.5	7286	1	US-08-793-273C-1	Sequence 1, Appl
C 22	28.4	8.5	7286	5	PCR-US95-1168A-1	Sequence 1, Appl
C 23	28.2	8.4	3416	2	US-08-357-642A-2	Sequence 2, Appl
C 24	28.2	8.4	3416	2	US-08-460-626-2	Sequence 2, Appl
C 25	28.2	8.4	3416	4	US-09-016-434-1483	Sequence 1483, Ap
C 26	28.2	8.4	4089	4	US-09-300-958A-13	Sequence 13, Appl
27	28	8.3	4489	4	US-09-621-976-14464	Sequence 14464, A

QY 62 GACAGCTCGTTCATGATCGACTCGGACCCCTCTGCGNCTGATGAGGACCACTATGTTG 121
 Db |||||
 524 GACAGCTCAT-TCAATATGACTCGGACCCCTCGACG-CTCATGAGGACCACTATGTTG 581
 QY 122 NAT 124
 Db 582 ATT 584

RESULT 2
 US-09-252-991A-4491/c
 ; Sequence 4398, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 4491
 ; LENGTH: 651
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-4491

Query Match 9.1%; Score 30.6; DB 4; Length 651;
 Best Local Similarity 45.0%; Pred. No. 0.32;
 Matches 90; Conservative 0; Mismatches 110; Indels 0; Gaps 0;
 QY 95 GCGNCTGATGAGGACCACTATGTTGNATCTATCAGCTCACCCGTTGNTACAGTGA 154
 Db |||||
 368 GCGGCGGATTGCGCCACCAAGGAGGCGCTGGCTGATCATCATGTTTCGGCGGATGGG 309
 QY 155 GNCCTCAAGGAAGTAATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGCC 214
 Db |||||
 308 ATCTGACGCGGATGACCGGCGGTTTCGCTGTTGCTATCTGCACCGCTGCACACT 249
 QY 215 TGAGNTTCCAGAGGNCCTGGTCCATCGCTAGCAGGGTTCAAGNAAAGGGGCGCG 274
 Db |||||
 248 TGACTGTTACGGGCGCTGGTGTCCGGTGGCGGCGCTCGTCTGCTTGAAGCAGCGCTCG 189
 QY 275 CNCATGCGAGTCTTGGNCA 294
 Db 188 CTCATGCCGCGGACGCGCA 169

RESULT 3
 US-09-252-991A-4398/c
 ; Sequence 4398, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 4398
 ; LENGTH: 3105
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-4398

Query Match 9.1%; Score 30.6; DB 4; Length 3105;
 Best Local Similarity 45.0%; Pred. No. 0.8;
 Matches 90; Conservative 0; Mismatches 110; Indels 0; Gaps 0;
 QY 95 GCGNCTGATGAGGACCACTATGTTGNATCTATCAGCTCACCCGTTGNTACAGTGA 154
 Db |||||
 615 GCGGCGGATTGCGCCACCAAGGAGGCGCTGGCTGATCATCATGTTTCGGCGGATGGG 556
 QY 155 GNCCTCAAGGAAGTAATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGCC 214
 Db |||||
 555 ATCTGACGCGGATGACCGGCGGTTTCGCTGTTGCTATCTGCACCGCTGCACACT 496
 QY 215 TGAGNTTCCAGAGGNCCTGGTCCATCGCTAGCAGGGTTCAAGNAAAGGGGCGCG 274
 Db |||||
 495 TGACTGTTACGGGCGCTGGTGTCCGGTGGCGGCGCTCGTCTGCTTGAAGCAGCGCTCG 436
 QY 275 CNCATGCGAGTCTTGGNCA 294
 Db 435 CTCATGCCGCGGACGCGCA 416

RESULT 4
 US-09-621-976-2911/c
 ; Sequence 2911, Application US/09621976
 ; Patent No. 6639063
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; APPLICANT: Jobert, S.
 ; APPLICANT: Giordano, J.Y.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET.054PR2
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19335
 ; SOFTWARE: Patent.pm
 ; SEQ ID NO 2911
 ; LENGTH: 531
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 177..521
 US-09-621-976-2911

Query Match 9.0%; Score 30.2; DB 4; Length 531;
 Best Local Similarity 51.2%; Pred. No. 0.4;
 Matches 62; Conservative 0; Mismatches 59; Indels 0; Gaps 0;
 QY 166 AGAATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAG 225
 Db |||||
 147 AGAAGATGCGAGCGCTCGGCTCAGCTGGGGCTCAACCCGACTCTTCGTAAGCGCTGC 88
 QY 226 AGGNCCTGGTCCCTCCATCGCTAGCAGGGTTCAAGNAAAGGGGCGCGCNCATGGCAGT 285
 Db |||||
 87 AGCGGCTTGGCATCAGAGTCTCTGGAGGGGTTCAGGCGGAGAGAGATATAGCAGC 28
 QY 286 C 286
 Db 27 C 27

RESULT 5
 US-09-252-991A-8705/c
 ; Sequence 8705, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT FILING DATE: 1999-02-18
 ; CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 8705
LENGTH: 1080
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8705

Query Match
Best Local Similarity 8.9%; Score 30; DB 4; Length 1080;
Matches 54; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 173 TGGAGGTCCTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 533 TGGCGGCGCTCGGTTCACATGGGCTTGAAGTTGCGCAGGCGCTCGGTGCGGAGGTGGCC 474

QY 233 TGGTCGTCCTCCATCGCTAGCAGGTTTCAAGNAAAGGGGC 271
DB 473 TGTTCACCGCTCGCGGCAAGGAAGGAGCGCGC 435

RESULT 6
US-09-252-991A-9076
Sequence 9076, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 9076
LENGTH: 1233
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9076

Query Match
Best Local Similarity 8.9%; Score 30; DB 4; Length 1233;
Matches 54; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 173 TGGAGGTCCTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 725 TGGCGGCGCTCGGTTCACATGGGCTTGAAGTTGCGCAGGCGCTCGGTGCGGAGGTGGCC 784

QY 233 TGGTCGTCCTCCATCGCTAGCAGGTTTCAAGNAAAGGGGC 271
DB 785 TGTTCACCGCTCGCGGCAAGGAAGGAGCGCGC 823

RESULT 7
US-09-252-991A-9249
Sequence 9249, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 9076
LENGTH: 1233
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9076

Query Match
Best Local Similarity 8.9%; Score 29.8; DB 4; Length 1281;
Matches 85; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 100 TGCATGAGGCGCACCACTATGTTGNATTTCTATCAGCTCACCCCTGTTGNTACAGTGTAGNCTC 159
DB 191 TACTTAAGCGCCAGTATCGAGCGCGTTGGGTTTACCAAGAGGTAAGGCCACCGCCA 132

QY 160 AAAGGAAGATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGN 219
DB 131 TCAGACAGTTTATAGGTTTGTCTTCTAGCTTTAGATGTATCGACCTGCGGCGCTGTGAGC 72

QY 220 TTCCAGAGGNCCTGGTCTGCCATCGCTAGCAGGTTTCAAGNAAAGGGCGCCGCNCAT 279
DB 71 TTCCTTGGGGGTATCTCATTTTCAAGAGGATCTACCCCAATGTACCCCAAT 12

QY 280 GGCAGT 285
DB 11 GAATGT 6

RESULT 9
US-09-620-312D-427
Sequence 427, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong

PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 9249
LENGTH: 1293
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9249

Query Match
Best Local Similarity 8.9%; Score 30; DB 4; Length 1293;
Matches 54; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 173 TGGAGGTCCTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 1092 TGGCGGCGCTCGGTTCACATGGGCTTGAAGTTGCGCAGGCGCTCGGTGCGGAGGTGGCC 1151

QY 233 TGGTCGTCCTCCATCGCTAGCAGGTTTCAAGNAAAGGGGC 271
DB 1152 TGTTCACCGCTCGCGGCAAGGAAGGAGCGCGC 1190

RESULT 8
US-09-489-039A-6423/c
Sequence 6423, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 6423
LENGTH: 1281
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6423

Query Match
Best Local Similarity 45.7%; Pred. No. 0.95; DB 4; Length 1281;
Matches 85; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 100 TGCATGAGGCGCACCACTATGTTGNATTTCTATCAGCTCACCCCTGTTGNTACAGTGTAGNCTC 159
DB 191 TACTTAAGCGCCAGTATCGAGCGCGTTGGGTTTACCAAGAGGTAAGGCCACCGCCA 132

QY 160 AAAGGAAGATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGN 219
DB 131 TCAGACAGTTTATAGGTTTGTCTTCTAGCTTTAGATGTATCGACCTGCGGCGCTGTGAGC 72

QY 220 TTCCAGAGGNCCTGGTCTGCCATCGCTAGCAGGTTTCAAGNAAAGGGCGCCGCNCAT 279
DB 71 TTCCTTGGGGGTATCTCATTTTCAAGAGGATCTACCCCAATGTACCCCAATGTACCCCAAT 12

QY 280 GGCAGT 285
DB 11 GAATGT 6

RESULT 9
US-09-620-312D-427
Sequence 427, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong

PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 8705
LENGTH: 1080
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8705

Query Match
Best Local Similarity 8.9%; Score 30; DB 4; Length 1080;
Matches 54; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 173 TGGAGGTCCTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 533 TGGCGGCGCTCGGTTCACATGGGCTTGAAGTTGCGCAGGCGCTCGGTGCGGAGGTGGCC 474

QY 233 TGGTCGTCCTCCATCGCTAGCAGGTTTCAAGNAAAGGGGC 271
DB 473 TGTTCACCGCTCGCGGCAAGGAAGGAGCGCGC 435

RESULT 6
US-09-252-991A-9076
Sequence 9076, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 9076
LENGTH: 1233
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9076

Query Match
Best Local Similarity 8.9%; Score 30; DB 4; Length 1233;
Matches 54; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 173 TGGAGGTCCTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 725 TGGCGGCGCTCGGTTCACATGGGCTTGAAGTTGCGCAGGCGCTCGGTGCGGAGGTGGCC 784

QY 233 TGGTCGTCCTCCATCGCTAGCAGGTTTCAAGNAAAGGGGC 271
DB 785 TGTTCACCGCTCGCGGCAAGGAAGGAGCGCGC 823

RESULT 7
US-09-252-991A-9249
Sequence 9249, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 9076
LENGTH: 1233
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9076

Query Match
Best Local Similarity 8.9%; Score 29.8; DB 4; Length 1281;
Matches 85; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 100 TGCATGAGGCGCACCACTATGTTGNATTTCTATCAGCTCACCCCTGTTGNTACAGTGTAGNCTC 159
DB 191 TACTTAAGCGCCAGTATCGAGCGCGTTGGGTTTACCAAGAGGTAAGGCCACCGCCA 132

QY 160 AAAGGAAGATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNNTGGCCCTGAGN 219
DB 131 TCAGACAGTTTATAGGTTTGTCTTCTAGCTTTAGATGTATCGACCTGCGGCGCTGTGAGC 72

QY 220 TTCCAGAGGNCCTGGTCTGCCATCGCTAGCAGGTTTCAAGNAAAGGGCGCCGCNCAT 279
DB 71 TTCCTTGGGGGTATCTCATTTTCAAGAGGATCTACCCCAATGTACCCCAATGTACCCCAAT 12

QY 280 GGCAGT 285
DB 11 GAATGT 6

RESULT 9
US-09-620-312D-427
Sequence 427, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong

```

; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aigong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunding
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghaast
; APPLICANT: Drmanac, Radjoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pc_fl_genes Version 1.0
; SEQ ID NO 427
; LENGTH: 1882
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; FEATURE:
; LOCATION: (100)...(1371)
; US-09-620-312D-427

Query Match      8.9%; Score 29.8; DB 4; Length 1882;
Best Local Similarity 45.8%; Pred. No. 1-2;
Matches 76; Conservative 0; Mismatches 90; Indels 0; Gaps 0;

QY 167 GAATAGTGGAGTCTTCTGTGAGACTATCTGAATCCCGGNTTGGCCCTGAGNTTCCAGA 226
    |||||
Db 113 GAGTATTCCACTTCTCTGCGGTGCAGCAGTATGCTGGGGGAAGATGGGTTCACAA 172

QY 227 GCGNCTGCTGCTCCATCGCTAGCAGGTTCAAGNAAAGGGCCGCGCATGGCAGTC 286
    |||||
Db 173 GCGAAGTGGCGGCTGTGTGGCCGCGAGTATCCATGCGCCCGAGATCGCAGAGGCAAGC 232

QY 287 CTTGNCAGNAGNANGGANTTGCNCCCAACCCNTTGGTTCCAA 332
    |||||
Db 233 CTTATGCAGAGTTGTGATGGGACTCACCCCGAGGGATGCCAA 278

RESULT 10
US-08-838-151A-1
; Sequence 1, Application US/08838151A
; Patent No. 6291743
; GENERAL INFORMATION:
; APPLICANT: Stout, John T
; APPLICANT: Luu, Hang T
; APPLICANT: Maxwell, Douglas
; APPLICANT: Ahlquist, Paul
; APPLICANT: Hanson, Steve
; TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
; TITLE OF INVENTION: Genes
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dressler, Rocky, Milnamow & Katz
; STREET: Two Prudential Plaza, Suite 4700
; CITY: Chicago
; STATE: Illinois
; COUNTRY: U.S.A.
; ZIP: 60601
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/838,151A
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Mueller, Lisa V
; REGISTRATION NUMBER: 38,978
; REFERENCE/DOCKET NUMBER: SVS3801P0260
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-616-5400
; TELEFAX: 312-616-5460
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1162 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Tomato Mottle Geminivirus
; INDIVIDUAL ISOLATE: Florida
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 44..1127
; PUBLICATION INFORMATION:
; AUTHORS: Gilbertson, RL
; AUTHORS: Hidayat, SH
; AUTHORS: Paplomatas, EJ
; AUTHORS: Rojas, MR
; AUTHORS: Hou, YM
; AUTHORS: Maxwell, DP
; TITLE: Pseudorecombination between the infectious
; TITLE: cloned DNA components of tomato mottle and bean
; TITLE: dwarf mosaic geminiviruses.
; JOURNAL: Jour. General Virol.
; VOLUME: 74
; PAGES: 23-31
; DATE: 1993
; US-08-838-151A-1

Query Match      8.8%; Score 29.6; DB 3; Length 1162;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCCAGAGGNCCTGGTCCCTCCATCGCTAGCAGGGTTCAGNA 264
    |||||
Db 660 CGGTTCAGCTGCGCGGCCAGAGACCTGTAGTATCATCTGTCGAGGGTGATTCAGAA 719

QY 265 AAGGG 269
    |||||
Db 720 CAGGG 724

RESULT 11
US-08-838-151A-13
; Sequence 13, Application US/08838151A
; Patent No. 6291743
; GENERAL INFORMATION:
; APPLICANT: Stout, John T
; APPLICANT: Luu, Hang T
; APPLICANT: Maxwell, Douglas
; APPLICANT: Ahlquist, Paul
; APPLICANT: Hanson, Steve
; TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
; TITLE OF INVENTION: Genes
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dressler, Rocky, Milnamow & Katz
; STREET: Two Prudential Plaza, Suite 4700
; CITY: Chicago
; STATE: Illinois

```

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/ COUNTRY: U.S.A.
/ ZIP: 60601
/ COMPUTER READABLE FORM: disk
/ MEDIUM TYPE: Floppy
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/838,151A
/ FILING DATE:
/ CLASSIFICATION: 800
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mueller, Lisa V
/ REGISTRATION NUMBER: 38,978
/ REFERENCE/DOCKET NUMBER: SVS3801P0260
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 312-616-5400
/ TELEFAX: 312-616-5460
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1166 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: circular
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Tomato Mottle Geminivirus
/ INDIVIDUAL ISOLATE: Florida
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 44..436
/ US-08-838-151A-13

Query Match 8.8%; Score 29.6; DB 3; Length 1166;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGCCCTGAGNTTCCAGAGGNCCTGGTGTCCCTCCATCGCTAGCAGGGTTCAAGNA 264
Db 664 CGGGTCAGCTGCGGCCAGAGACCTTAAGTATCATCTGCGAGGGTGTTCAGAA 723

QY 265 AAGGG 269
Db 724 CAGGG 728

RESULT 12
US-08-838-151A-3
/ Sequence 3, Application US/08838151A
/ Patent No. 6291743
/ GENERAL INFORMATION:
/ APPLICANT: Stout, John T
/ APPLICANT: Luu, Hang T
/ APPLICANT: Maxwell, Douglas
/ APPLICANT: Ahlquist, Paul
/ APPLICANT: Hanson, Steve
/ TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
/ TITLE OF INVENTION: Genes
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Dressler, Rocky, Milnamow & Katz
/ STREET: Two Prudential Plaza, Suite 4700
/ CITY: Chicago
/ STATE: Illinois
/ COUNTRY: U.S.A.
/ ZIP: 60601
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30

/ COUNTRY: U.S.A.
/ ZIP: 60601
/ COMPUTER READABLE FORM: disk
/ MEDIUM TYPE: Floppy
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/838,151A
/ FILING DATE:
/ CLASSIFICATION: 800
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mueller, Lisa V
/ REGISTRATION NUMBER: 38,978
/ REFERENCE/DOCKET NUMBER: SVS3801P0260
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 312-616-5400
/ TELEFAX: 312-616-5460
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1169 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: circular
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Tomato Mottle Geminivirus
/ STRAIN: Florida
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 44..1127
/ PUBLICATION INFORMATION:
/ AUTHORS: Gilbertson, RL et al.
/ TITLE: Pseudorecombination between the infectious
/ TITLE: cloned DNA components of tomato mottle and bean
/ TITLE: dwarf mosaic geminivirus.
/ JOURNAL: Journal of General Virology
/ VOLUME: 74
/ PAGES: 23-31
/ DATE: 1993
/ US-08-838-151A-3

Query Match 8.8%; Score 29.6; DB 3; Length 1169;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGCCCTGAGNTTCCAGAGGNCCTGGTGTCCCTCCATCGCTAGCAGGGTTCAAGNA 264
Db 660 CGGTGCGCTGCGGCCAGAGACCTTAAGTATCATCTGCGAGGGTGTTCAGAA 719

QY 265 AAGGG 269
Db 720 CAGGG 724

RESULT 13
US-08-838-151A-5
/ Sequence 5, Application US/08838151A
/ Patent No. 6291743
/ GENERAL INFORMATION:
/ APPLICANT: Stout, John T
/ APPLICANT: Luu, Hang T
/ APPLICANT: Maxwell, Douglas
/ APPLICANT: Ahlquist, Paul
/ APPLICANT: Hanson, Steve
/ TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
/ TITLE OF INVENTION: Genes
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Dressler, Rocky, Milnamow & Katz
/ STREET: Two Prudential Plaza, Suite 4700
/ CITY: Chicago
/ STATE: Illinois
/ COUNTRY: U.S.A.
/ ZIP: 60601
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE: Tomato Mottle Gemini Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
US-08-838-151A-5

Query Match 8.8%; Score 29.6; DB 3; Length 1169;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCCAGAGGNCCTGGTGGTCCCATCGCTAGCAGGGTTCAAGNA 264
DB 660 CGGGTCAGCTGCGCGGCCAGAGACCTGTAAGTATCATCGTCGAGGGTGATTCAGAA 719

QY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 14
US-08-838-151A-7
Sequence 7, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:

NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE: Tomato Mottle Gemini Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
US-08-838-151A-7

Query Match 8.8%; Score 29.6; DB 3; Length 1169;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCCAGAGGNCCTGGTGGTCCCATCGCTAGCAGGGTTCAAGNA 264
DB 660 CGGGTCAGCTGCGCGGCCAGAGACCTGTAAGTATCATCGTCGAGGGTGATTCAGAA 719

QY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 15
US-08-838-151A-15
Sequence 15, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 15:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1246 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Tomato Mottle Geminivirus
; STRAIN: Florida
; PUBLICATION INFORMATION:
; AUTHORS: Gilbertson, RL
; AUTHORS: Hidayat, SH
; AUTHORS: Papomatas, EJ
; AUTHORS: Rojas, MR
; AUTHORS: Hou, YM
; AUTHORS: Maxwell, DP
; TITLE: Pseudorecombination between the infectious
; TITLE: Cloned DNA components of tomato mottle and bean
; TITLE: dwarf mosaic geminiviruses.
; JOURNAL: Journal of General Virology
; VOLUME: 74
; PAGES: 23-31
; DATE: 1993
;
; US-08-838-151A-15

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Query Match      8.8%; Score 29.6; DB 3; Length 1246;
Best Local Similarity 63.1%; Pred. No. 1.1;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy      205 GGNNTGGCCCTGAGNTTCCAGAGGNCCTGCTGCCCATCGCTAGCAGGGTTCAAGNA 264
Db      257 CGGGTGAGCTGCGCGCCAGAGAGACCTGPAAGTATCATCTCAGGGTGATTCAAGAA 316

Qy      265 AAGGG 269
Db      317 CAGGG 321

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Search completed: June 4, 2004, 15:49:56
Job time : 72 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 4, 2004, 14:59:34 ; Search time 292 Seconds
(without alignments)
5249.420 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336

Sequence: 1 CCTGCATCTTTCTATGC.....CCCCNTGGTCCCAACCCA 336

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2995936 seqs, 2280998010 residues

Total number of hits satisfying chosen parameters: 5991872

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/prodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
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- 6: /cgn2_6/prodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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- 9: /cgn2_6/prodata/2/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/prodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	318	94.6	336	16	US-10-355-716-74 Sequence 74, Appl
2	86.8	25.8	252	16	US-10-355-716-76 Sequence 76, Appl
3	79.8	23.8	412	15	US-10-198-846-1775 Sequence 1775, Ap
4	78.8	23.5	455	15	US-10-198-846-8657 Sequence 8657, AD
5	78.8	23.5	1878	15	US-10-037-270-625 Sequence 625, App
6	78.8	23.5	1878	16	US-10-117-722-625 Sequence 625, App
7	78.8	23.5	2061	15	US-10-198-846-11013 Sequence 11013, A
8	34.4	10.2	254087	13	US-10-087-192-223 Sequence 223, App
9	32.6	9.7	2464	13	US-10-424-599-123456 Sequence 123456,
10	32.4	9.6	23715	13	US-10-087-192-1420 Sequence 1420, Ap
11	31.8	9.5	368	13	US-10-424-598-2667 Sequence 2667, Ap
12	31.6	9.4	2181	17	US-10-380-040A-7 Sequence 7, Appl
13	31.6	9.4	96596	12	US-09-997-722-196 Sequence 196, App
14	31.4	9.3	465	10	US-09-918-995-15342 Sequence 15342, A

RESULT 1

US-10-355-716-74

; Sequence 74, Application US/10355716

; Publication No. US20030216339A1

; GENERAL INFORMATION:

; APPLICANT: Cynader, Max

; Prasad, Shiv

; TITLE OF INVENTION: GENE SEQUENCES ASSOCIATED WITH NEURAL

; PLASTICITY AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 132

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed Intellectual Property Law Group PLLC

; STREET: 701 Fifth Avenue, Suite 6300

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/355,716

; FILING DATE: 31-Jan-2003

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/301,507

; FILING DATE: 28-Apr-1999

; ATTORNEY/AGENT INFORMATION:

; NAME: Potter, Jane E. R.

; REGISTRATION NUMBER: 33,332

; REFERENCE/DOCKET NUMBER: 230018.401C1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 74:

ALIGNMENTS

Sequence 506, App
Sequence 4, Appl1
Sequence 685, App
Sequence 2635, A
Sequence 27153, A
Sequence 259, App
Sequence 307934,
Sequence 307935,
Sequence 307936,
Sequence 307934,
Sequence 307935,
Sequence 307936,
Sequence 793, App
Sequence 273, App
Sequence 171, App
Sequence 249, App
Sequence 119, App
Sequence 196994,
Sequence 196994,
Sequence 96803, A
Sequence 264398,
Sequence 264399,
Sequence 264399,
Sequence 1323, Ap
Sequence 45, Appl
Sequence 45, Appl
Sequence 20469, A
Sequence 49, Appl
Sequence 1, Appl1
Sequence 11, Appl1

14 US-10-044-090-506
9 US-09-079-892-4
14 US-10-044-090-685
9 US-09-864-761-20635
267 9 US-09-864-761-27153
267 9 US-09-864-761-27153
65047 13 US-10-087-192-259
631 13 US-10-027-632-307934
631 13 US-10-027-632-307935
631 13 US-10-027-632-307936
631 16 US-10-027-632-307934
631 16 US-10-027-632-307935
631 16 US-10-027-632-307936
1538 13 US-10-412-6998-793
1538 13 US-10-225-068A-273
1538 16 US-10-225-068-171
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643 13 US-10-027-632-196994
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404 13 US-10-027-632-264399
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404 16 US-10-027-632-264399
765 16 US-10-264-237-1323
965 10 US-09-820-649-45
965 15 US-10-160-162-45
1136 13 US-10-425-114-20469
1257 13 US-10-343-650A-49
1338 15 US-10-275-554-1
1732 15 US-10-029-656-11

ALIGNMENTS

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SEQUENCE CHARACTERISTICS:
LENGTH: 336 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 74:
US-10-355-716-74

Query Match 94.6%; Score 318; DB 16; Length 336;
Best Local Similarity 100.0%; Pred. No. 5e-108;
Matches 336; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 60
Db 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 60

QY 61 GGACAGCTGTTTCATGATCGACCTCGGACCTCTGCGNCTGATGAGGACCACTATGTT 120
Db 61 GGACAGCTGTTTCATGATCGACCTCGGACCTCTGCGNCTGATGAGGACCACTATGTT 120

QY 121 GNATTCATCAGCTACCCGTTGNTCAAGTGTAGNCTCAAGGAAGATAGTGGAGTC 180
Db 121 GNATTCATCAGCTACCCGTTGNTCAAGTGTAGNCTCAAGGAAGATAGTGGAGTC 180

QY 181 TTCTGTGAGACCTATCTGAATCCCGNNTGGCCCTGAGNCTCCAGAGGNCCTGTCGTC 240
Db 181 TTCTGTGAGACCTATCTGAATCCCGNNTGGCCCTGAGNCTCCAGAGGNCCTGTCGTC 240

QY 241 CCATCCCTAGCAGGTTTCAAGNAAAGGGCCCGCNCATGCGAGTCTCTTGCNCAGNAGNA 300
Db 241 CCATCCCTAGCAGGTTTCAAGNAAAGGGCCCGCNCATGCGAGTCTCTTGCNCAGNAGNA 300

QY 301 ANGANTTGNCCCAACCCCTGTTGGTTCCCAACCCA 336
Db 301 ANGANTTGNCCCAACCCCTGTTGGTTCCCAACCCA 336

RESULT 2
US-10-355-716-76
Sequence 76, Application US/10355716
Publication No. US20030216339A1
GENERAL INFORMATION:
APPLICANT: Cynader, Max
Praisad, Shiv
TITLE OF INVENTION: GENE SEQUENCES ASSOCIATED WITH NEURAL PLASTICITY AND METHODS RELATED THERETO
NUMBER OF SEQUENCES: 132
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group PLLC
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/355,716
FILING DATE: 31-Jan-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/301,507
FILING DATE: 28-Apr-1999
ATTORNEY/AGENT INFORMATION:
NAME: Potter, Jane E. R.
REGISTRATION NUMBER: 33,332
REFERENCE/DOCKET NUMBER: 230018.401C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 76:
US-10-355-716-76

Query Match 25.8%; Score 86.8; DB 16; Length 252;
Best Local Similarity 96.7%; Pred. No. 1.1e-21;
Matches 88; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 60
Db 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 60

QY 61 GGACAGCTGTTTCATGATCGACCTCGGACCC 91
Db 61 GGACAGCTGTTTCATGATCGACCTCGGACCC 91

RESULT 3
US-10-198-846-1775
Sequence 1775, Application US/10198846
Publication No. US2003009974A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, Youzhen
APPLICANT: Steinmann, Kathleen
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: FOR IDENTIFICATION ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-049
CURRENT APPLICATION NUMBER: US/10/198,846
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1775
LENGTH: 412
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 3, 203, 293, 343, 398
OTHER INFORMATION: n = A,T,C or G
US-10-198-846-1775

Query Match 23.8%; Score 79.8; DB 15; Length 412;
Best Local Similarity 87.9%; Pred. No. 5.4e-19;
Matches 109; Conservative 0; Mismatches 13; Indels 2; Gaps 2;

QY 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 60
Db 49 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGCAAAAC 108

QY 61 GGACAGCTGTTTCATGATCGACCTCGGACCCCTGCGNCTGATGAGGACCACTATGTT 120
Db 109 GGACAGCTCAT-TCATAATGGACTCGGACCCCTCGAGC-CTGCATGAGGCACCACTATGTG 166

QY 121 GNAT 124
Db 167 GATT 170

RESULT 4
US-10-198-846-8657
Sequence 8657, Application US/10198846
Publication No. US2003009974A1
GENERAL INFORMATION:

```

; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8657
; LENGTH: 455
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2, 7, 404, 454
; OTHER INFORMATION: n = A, T, C or G
US-10-198-846-8657

Query Match      23.5%; Score 78.8; DB 15; Length 455;
Best Local Similarity 87.8%; Pred. No. 1.3e-18;
Matches 108; Conservative 0; Mismatches 13; Indels 2; Gaps 2;

QY 2 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 61
DB 60 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 119
QY 62 GACAGCTCGTNTCATGATCGGACCTCTCGGCTCATGAGGACCACTATGTTG 121
DB 120 GACAGCTCAT-TCATAATGAGCTCGGACCTCGACG-CTGCATGAGGACCACTATGTTG 177
QY 122 NAT 124
DB 178 ATT 180

RESULT 5
US-10-037-270-625
; Sequence 625, Application US/10037270
; Publication No. US20030104529A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyao
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yuning
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Tillinghast, John
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/10/037,270
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104

US-10-037-270-625
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 625
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (945) .. (1229)
US-10-117-722-625

Query Match      23.5%; Score 78.8; DB 16; Length 1878;
Best Local Similarity 87.8%; Pred. No. 2.5e-18;
Matches 108; Conservative 0; Mismatches 13; Indels 2; Gaps 2;

QY 2 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 61
DB 464 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 523
QY 62 GACAGCTCGTNTCATGATCGGACCTCTCGGCTCATGAGGACCACTATGTTG 121
DB 524 GACAGCTCAT-TCATAATGAGCTCGGACCTCGACG-CTGCATGAGGACCACTATGTTG 581
QY 122 NAT 124
DB 582 ATT 584

RESULT 6
US-10-117-722-625
; Sequence 625, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/10/117,722
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 625
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (945) .. (1229)
US-10-117-722-625

Query Match      23.5%; Score 78.8; DB 16; Length 1878;
Best Local Similarity 87.8%; Pred. No. 2.5e-18;
Matches 108; Conservative 0; Mismatches 13; Indels 2; Gaps 2;

QY 2 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 61
DB 464 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGAGATACAGACGAAACG 523
QY 62 GACAGCTCGTNTCATGATCGGACCTCTCGGCTCATGAGGACCACTATGTTG 121
DB 524 GACAGCTCAT-TCATAATGAGCTCGGACCTCGACG-CTGCATGAGGACCACTATGTTG 581
QY 122 NAT 124
DB 582 ATT 584
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Db      582 ATT 584

RESULT 7
US-10-198-846-11013
; Sequence 11013, Application US/10198846
; Publication No. US2003099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11013
; LENGTH: 2061
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1, 2, 3, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838,
; LOCATION: 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848,
; LOCATION: 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1860, 2009,
; LOCATION: 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057,
; LOCATION: 2058, 2059, 2060, 2061
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-11013
Query Match      23.5%; Score 78.8; DB 15; Length 2061;
Best Local Similarity 87.8%; Pred. No. 2.6e-18;
Matches 108; Conservative 0; Mismatches 13; Indels 2; Gaps 2;
QY      2 GCTGATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGATACAGACGAAACG 61
Db      427 GCTGATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGATACAGACGAAACG 486
QY      62 GACAGCTCGTNTCATGCTGACCTCGGACCTCTCGGCTGCTGATGCTGCTGCTG 121
Db      487 GACAGCTCAT-TCATATGACTCGGACCTCGGACCTCGGACCTGCTGCTGCTG 544
QY      122 NAT 124
Db      545 ATT 547

RESULT 8
US-10-087-192-223
; Sequence 223, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 52945200122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02

; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 223
; LENGTH: 254087
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(254087)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-223
Query Match      10.2%; Score 34.4; DB 13; Length 254087;
Best Local Similarity 51.9%; Pred. No. 0.8;
Matches 68; Conservative 0; Mismatches 63; Indels 0; Gaps 0;
QY      148 AAGTGTAGNCTCAAAGGAAGATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGN 207
Db      34592 AAGTGTAGTACGCAAGGCGAGTGTACTGGAGCCACTTTTATTCTTATTATAATCTCAG 34651
QY      208 NTGGCCCTGAGNTTCCAGAGGNCCTGGTCGTCGTCCTAGCAGGGTTCAGNAAAG 267
Db      34652 TCGGAGCTTGGTAAACGGATGACACCGCCCTCTCAAGCGAGGAGGACACAG 34711
QY      268 GGGCCCGCNCA 278
Db      34712 ATGACAGAGCA 34722

RESULT 9
US-10-424-599-123456
; Sequence 123456, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 123456
; LENGTH: 2464
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_82489C.1
US-10-424-599-123456
Query Match      9.7%; Score 32.6; DB 13; Length 2464;
Best Local Similarity 54.1%; Pred. No. 0.5;
Matches 59; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
QY      134 TCACCCGTTGNTACAAAGTGTAGNCTCAAAGGAAGAAATAGTGGAGTCTTCTGTGAGACCT 193
Db      78 TTATCCCGACAGCCACCCGCGCAGCACCAAGAGAGAGAGAGAGTGTGCTGAGTACG 137
QY      194 ATCTGAATCCCGNNTGGCCCTGAGNTTCCAGAGGNCCTGGTCGTCGCC 242
Db      138 ACCTAACTCCGCGATGGCGCGAATCTCGACAGGACCTTGTGTCTCC 186

RESULT 10
US-10-087-192-1420
; Sequence 1420, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
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;; TITLE OF INVENTION: CANCER
;; FILE REFERENCE: 529452000122
;; CURRENT APPLICATION NUMBER: US/10/087,192
;; CURRENT FILING DATE: 2002-03-01
;; PRIOR APPLICATION NUMBER: US 09/747,377
;; PRIOR FILING DATE: 2000-12-22
;; PRIOR APPLICATION NUMBER: US 09/798,586
;; PRIOR FILING DATE: 2001-03-02
;; NUMBER OF SEQ ID NOS: 2059
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 1420
;; LENGTH: 23715
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(23715)
;; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-1420

Query Match 9.6%; Score 32.4; DB 13; Length 23715;
Best Local Similarity 45.8%; Pred. No. 1.6;
Matches 93; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

QY 35 CTGATGGGAGATACAGACAGCAAAACGACAGCTCGTNTCATGATCGACTCGGACCCCTCT 94
DB 1250 CTGGAGATTAAACACATACACTACTGCTGCAAGTTTGGGGCTATTCTTAGTATTG 1309

QY 95 GCNCTGCTAGAGGACCACTATGTGNNATTTATCATGCTCACCCGTTGNTACAAGTGA 154
DB 1310 GCAAGGGTGTAGGGCATCAGATGTCATCAGCCAGTGTGCTCTTCTGCTGCTA 1369

QY 155 GNCCTAAAGGAAGATAGTGGAGTCTTCTGTGACACCTATCTGAATCCCGNNTGCCCC 214
DB 1370 GTGAGAGGCCAAGATAGCTGGACTTCCACAGAGATTGTCATCTTAGGAATGAGTA 1429

QY 215 TGAGNTTCCAGAGGNCCTGGTC 237
DB 1430 TTGCTGTCTTAATAGGCTTAGGC 1452

RESULT 11
US-10-424-599-2667
; Sequence 2667, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 2667
; LENGTH: 368
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_102413C.1
US-10-424-599-2667

Query Match 9.5%; Score 31.8; DB 13; Length 368;
Best Local Similarity 60.8%; Pred. No. 0.44;
Matches 48; Conservative 0; Mismatches 31; Indels 0; Gaps 0;

QY 164 GAAGATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNTGGCCCTGAGNTTCC 223
DB 226 GAAGAGAGAAGAGTGGTGTGAGTACGACCTACTCGCGGATGGCGCGAATCTCG 285

QY 224 AGAGGNCCTGGTCGTCCC 242

Db 286 ACAGGCACCTGTGTGTTCCC 304

RESULT 12
US-10-380-040A-7
; Sequence 7, Application US/10380040A
; Publication No. US20040077043A1
; GENERAL INFORMATION:
; APPLICANT: Kirin Beer Kabushiki Kaisha
; TITLE OF INVENTION: A NOVEL DENDRITIC CELL MEMBRANE MOLECULE AND USE THEREOF
; FILE REFERENCE: PH-1297PCT-US
; CURRENT APPLICATION NUMBER: US/10/380,040A
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: JP 2000-277352
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 2181
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: a fusion
; OTHER INFORMATION: protein of BRIGHT extracellular domain (29-465)
; OTHER INFORMATION: and human Igg1Fc domain
US-10-380-040A-7

Query Match 9.4%; Score 31.6; DB 17; Length 2181;
Best Local Similarity 46.6%; Pred. No. 1.1;
Matches 88; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATGGAGATACAGACAGCAAAACGACAGCTCGTNTCATGATCGACT 84
DB 1329 CTTGCGGGTGTGCTGGGTGCGAATGGCACCTACAGTGTGCTGGTGGCAACCCCGTGCT 1389

QY 85 CGGACCTCTGCGNCTGTCATGAGGCGACCACTATGTTGNATTCTATCAGCTCACCCGTTGN 144
DB 1389 GCAGCAGGATGCGCAGGCTCTGTCCACCATCACAGGSCACCTATGACATTCGCCCCGAGA 1448

QY 145 TACAAGTGTAGNCTCAAAGGAAGATAGTGGGAGTCTTCTGTGAGAGCTATCTGAATCCC 204
DB 1449 GTCTAGAGCAGACTACAAGGACGACGATGATGACAAAGACTAGTGACAAAACCTCACATGCC 1508

QY 205 CGNNTGGCC 213
DB 1509 ACCGTGCCC 1517

RESULT 13
US-09-997-722-196/c
; Sequence 196, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 196
; LENGTH: 96596
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-997-722-196

Query Match 9.4%; Score 31.6; DB 12; Length 96596;

Best Local Similarity 44.1%; Pred. No. 5.8;
Matches 94; Conservative 0; Mismatches 119; Indels 0; Gaps 0;
QY 107 GGCACCACTATGTTGNATCTATCAGCTCACCGTTCGATCAAGTGTAGNCTCAAGGAA 166
Db 81011 GGAAGAACTTGGCTTAAACAAATTTCTCAATATGTATCATCATCAAGAGGTC 80952
QY 167 GAATAGTGGAGTCTTCTGTGAGACCTATCTGAATCCCGNNTGGCCCTGAGNTTCCAGA 226
Db 80951 CTATTATATTAGGAAAGTGTAGTGAATCTTTTCCCGTTGAATTTTAGTGTAAAAA 80892
QY 227 GGCNCTGGTCGTCCTCCATCCCTAGCAGGTTCAAGNAAAGGGCCCGCNCATGGCAGTC 286
Db 80891 GTGATCTGCAAGACACATGTTCTTTATTAGCTTAAAAAGGAGCCCTCTGCTGGTAGAA 80832
QY 287 CTTGNCAGNAGNAANGANTTGNCCCAACCC 319
Db 80831 CTGAATCAGTAATCTCTGCTTTGGAGAAACC 80799

RESULT 14
US-09-918-995-15342
; Sequence 15342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15342
; LENGTH: 465
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(465)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-15342

Query Match 9.3%; Score 31.4; DB 10; Length 465;
Best Local Similarity 58.9%; Pred. No. 0.69;
Matches 53; Conservative 0; Mismatches 37; Indels 0; Gaps 0;
QY 2 GCTGCATCTTTTCTATGCTCTCCCTGCTGGCGCTGATGGGATACAGACAGCAAAACG 61
Db 123 GTTCAAGTCTTGTGACACTTCCCTCTGGATCAGGTGAGGGGTCCAGACGCTGACCA 182
QY 62 GACAGCTCGTNTCATGATCGACTCGGACCC 91
Db 183 GACAGCTGACAGCTGGTCAAGACGGTCAAC 212

RESULT 15
US-10-044-090-506/c
; Sequence 506, Application US/10044090
; Publication No. US20020137081A1
; GENERAL INFORMATION:
; APPLICANT: Olga Bandman
; TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
; FILE REFERENCE: PA-0028 US
; CURRENT APPLICATION NUMBER: US/10/044,090
; CURRENT FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: PERL Program
; SEQ ID NO 506
; LENGTH: 1651
; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20020137081A1 403121.11
US-10-044-090-506

Query Match 9.3%; Score 31.4; DB 14; Length 1651;
Best Local Similarity 50.7%; Pred. No. 1.2;
Matches 68; Conservative 0; Mismatches 66; Indels 0; Gaps 0;
QY 71 TATCATGATCGACTCGGACCCCTCTGCNCTGTCATGAGGACCACTATGTTGNATCTATC 130
Db 910 TGTCAAGCTCTACAGGAGCACGAGAACATGTGGGATGTCCACTTCTTCCCATGTAGC 851
QY 131 AGCTCACCCCTTGNATCAAGTGTAGNCTCAAAGGAAGAAATAGTGGAGTCTTCTGTGAGA 190
Db 850 ATCCCTGCTTGTGGGACAGGTCTGGAATCAGATGAAGGTGTGATGCTTGTGACGGT 791
QY 191 CCTATCTGAATCCC 204
Db 790 CTCAGCCTCATTC 777

Search completed: June 4, 2004, 16:50:42
Job time : 294 secs

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OM nucleic - nucleic search, using sw model

Run on: June 4, 2004, 16:50:56 ; Search time 65 Seconds
(without alignments)

2868.669 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	6.5	1878	4	US-09-620-312D-625
2	20	6.0	1895	4	US-09-326-203A-14
3	20	6.0	1976	3	US-09-165-042-2
4	19	5.7	939	4	US-09-489-039A-1843
5	17	5.1	1512	4	US-09-252-991A-5614
6	17	5.1	2079	4	US-09-252-991A-5614
7	17	5.1	2436	4	US-09-252-991A-5645
8	16	4.8	390	4	US-09-489-039A-887
9	16	4.8	478	4	US-09-621-976-1639
10	16	4.8	518	4	US-09-621-976-18442
11	16	4.8	651	4	US-09-489-039A-94
12	16	4.8	771	4	US-09-489-039A-4386
13	16	4.8	960	4	US-09-489-039A-4989
14	16	4.8	1020	4	US-09-543-681A-1655
15	16	4.8	1023	4	US-09-489-039A-754
16	16	4.8	1149	4	US-09-489-039A-3580
17	16	4.8	1194	4	US-09-489-039A-5491
18	16	4.8	1235	1	US-08-035-726-13
19	16	4.8	1235	1	US-08-035-726-15
20	16	4.8	1235	1	US-08-036-623A-13
21	16	4.8	1235	1	US-08-036-623A-15
22	16	4.8	1266	4	US-09-489-039A-812
23	16	4.8	1950	4	US-09-489-039A-4709
24	16	4.8	2655	4	US-09-252-991A-10136
25	16	4.8	5737	1	US-08-253-264-1
26	16	4.8	8144	4	US-09-453-702B-29
27	16	4.8	10095	3	US-08-822-586-45

16	4.8	1830121	4	US-09-557-884-1	Sequence 1, Appli
16	4.8	1830121	4	US-09-643-990A-1	Sequence 2, Appli
16	4.8	4403765	3	US-09-103-840A-2	Sequence 1, Appli
16	4.8	4411529	3	US-09-103-840A-1	Sequence 1, Appli
15	4.5	381	4	US-09-252-991A-4460	Sequence 4460, Ap
15	4.5	414	4	US-09-621-976-12550	Sequence 12550, A
15	4.5	474	4	US-09-252-991A-2626	Sequence 2626, Ap
15	4.5	488	3	US-09-385-982-471	Sequence 471, App
15	4.5	501	4	US-09-252-991A-3513	Sequence 3513, Ap
15	4.5	594	4	US-09-489-039A-7023	Sequence 7023, Ap
15	4.5	660	4	US-09-252-991A-3512	Sequence 3512, Ap
15	4.5	738	4	US-09-252-991A-4507	Sequence 4507, Ap
15	4.5	876	4	US-09-489-039A-2407	Sequence 2407, Ap
15	4.5	963	4	US-09-252-991A-6490	Sequence 6490, Ap
15	4.5	972	4	US-09-252-991A-4609	Sequence 4609, Ap
15	4.5	978	4	US-09-489-039A-1185	Sequence 1185, Ap
15	4.5	990	4	US-09-489-039A-1185	Sequence 1185, Ap
15	4.5	1029	4	US-09-489-039A-6858	Sequence 6858, Ap
15	4.5	1047	4	US-09-489-039A-6424	Sequence 6424, Ap
15	4.5	1047	4	US-09-252-991A-2368	Sequence 2368, Ap
15	4.5	1050	4	US-09-252-991A-13134	Sequence 13134, A
15	4.5	1086	4	US-09-252-991A-3516	Sequence 3516, Ap
15	4.5	1102	4	US-09-522-714-3	Sequence 3, Appli
15	4.5	1110	4	US-09-252-991A-4219	Sequence 4219, Ap
15	4.5	1116	4	US-09-252-991A-13384	Sequence 13384, A
15	4.5	1120	1	US-08-203-806B-3	Sequence 3, Appli
15	4.5	1120	4	US-09-017-754A-3	Sequence 3, Appli
15	4.5	1125	4	US-09-252-991A-3515	Sequence 3515, Ap
15	4.5	1126	4	US-09-461-325-89	Sequence 89, Appl
15	4.5	1126	4	US-10-012-542-89	Sequence 89, Appl
15	4.5	1128	3	US-09-106-217-15	Sequence 15, Appl
15	4.5	1134	3	US-09-252-991A-3879	Sequence 3879, Ap
15	4.5	1134	3	US-09-106-217-1	Sequence 1, Appli
15	4.5	1216	4	US-09-016-434-1474	Sequence 1474, Ap
15	4.5	1302	4	US-09-252-991A-6541	Sequence 6541, Ap
15	4.5	1314	4	US-09-252-991A-10842	Sequence 10842, A
15	4.5	1350	3	US-08-462-351-1	Sequence 1, Appli
15	4.5	1350	4	US-09-602-807-1	Sequence 1, Appli
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15	4.5	1356	6	5194425-2	Patent No. 5194425
15	4.5	1374	4	US-09-044-781A-1	Sequence 1, Appli
15	4.5	1377	4	US-09-252-991A-13964	Sequence 13964, A
15	4.5	1393	4	US-09-919-172-32	Sequence 32, Appl
15	4.5	1416	4	US-09-107-532A-1643	Sequence 1643, Ap
15	4.5	1482	2	US-09-252-991A-2548	Sequence 2548, Ap
15	4.5	1488	2	US-08-812-203-4	Sequence 4, Appli
15	4.5	1488	3	US-09-300-864-4	Sequence 4, Appli
15	4.5	1488	4	US-09-598-418-4	Sequence 4, Appli
15	4.5	1707	4	US-09-252-991A-12666	Sequence 12666, A
15	4.5	1725	4	US-09-252-991A-2287	Sequence 2287, Ap
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15	4.5	1728	3	US-09-048-129-1	Sequence 1, Appli
15	4.5	1731	4	US-09-048-079-1	Sequence 1, Appli
15	4.5	1740	4	US-09-252-991A-4008	Sequence 4008, Ap
15	4.5	1836	4	US-09-252-991A-13753	Sequence 13753, A
15	4.5	1839	1	US-08-442-248-3	Sequence 13995, A
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15	4.5	1839	3	US-08-486-449-3	Sequence 3, Appli
15	4.5	1839	4	US-08-578-684-3	Sequence 3, Appli
15	4.5	1881	3	US-09-235-246-2	Sequence 2, Appli
15	4.5	2022	1	US-08-803-973-5	Sequence 6, Appli
15	4.5	2022	1	US-08-803-972-6	Sequence 6, Appli
15	4.5	2025	4	US-09-252-991A-10293	Sequence 10293, A
15	4.5	2065	3	US-08-335-865J-8	Sequence 8, Appli
15	4.5	2094	4	US-09-252-991A-10564	Sequence 10564, A
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15	4.5	2124	1	US-08-803-972-11	Sequence 11, Appl
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15	4.5	2472	4	US-09-252-991A-3902	Sequence 3902, Ap
15	4.5	2562	4	US-09-252-991A-4045	Sequence 4045, Ap
15	4.5	3003	4	US-09-252-991A-14790	Sequence 14790, A

C 247	14	4.2	1200	4	US-09-252-991A-1033	Sequence 1033, Ap	320	14	4.2	2136	4	US-09-252-991A-15826	Sequence 15826, A
C 248	14	4.2	1203	4	US-09-252-991A-9210	Sequence 9210, Ap	C 321	14	4.2	2160	4	US-09-107-532A-2338	Sequence 2338, Ap
C 249	14	4.2	1206	4	US-09-252-991A-1208	Sequence 1208, Ap	C 322	14	4.2	2187	4	US-09-489-039A-6238	Sequence 6238, Ap
C 250	14	4.2	1218	4	US-09-432-470-3	Sequence 3, Appli	C 323	14	4.2	2208	4	US-09-252-991A-2086	Sequence 2086, Ap
C 251	14	4.2	1218	4	US-07-491-577-37	Sequence 37, Appli	C 324	14	4.2	2352	4	US-09-252-991A-3127	Sequence 3127, Ap
C 252	14	4.2	1227	1	US-07-916-901-1	Sequence 1, Appli	C 325	14	4.2	2360	3	US-08-913-264-12	Sequence 12, Appl
C 253	14	4.2	1227	1	US-08-351-473B-7	Sequence 7, Appli	C 326	14	4.2	2451	4	US-09-252-991A-6721	Sequence 6721, Ap
C 254	14	4.2	1263	4	US-09-489-039A-6928	Sequence 6928, Ap	C 327	14	4.2	2457	4	US-09-252-991A-120	Sequence 120, Ap
C 255	14	4.2	1270	4	US-09-016-434-1184	Sequence 1184, Ap	C 328	14	4.2	2493	4	US-09-252-991A-10571	Sequence 10571, A
C 256	14	4.2	1278	4	US-09-252-991A-6758	Sequence 6758, Ap	C 329	14	4.2	2499	4	US-09-775-508C-7	Sequence 7, Appli
C 257	14	4.2	1281	4	US-09-252-991A-1217	Sequence 1217, A	C 330	14	4.2	2574	4	US-09-252-991A-7385	Sequence 7385, Ap
C 258	14	4.2	1308	4	US-09-252-991A-2553	Sequence 2553, Ap	C 331	14	4.2	2586	4	US-09-252-991A-1804	Sequence 1804, Ap
C 259	14	4.2	1317	4	US-09-252-991A-15836	Sequence 15836, A	C 332	14	4.2	2592	4	US-09-328-352-2604	Sequence 2604, Ap
C 260	14	4.2	1317	4	US-09-620-312D-818	Sequence 818, Ap	C 333	14	4.2	2634	3	US-08-911-853-30	Sequence 30, Appl
C 261	14	4.2	1325	4	US-09-919-172-83	Sequence 83, Appli	C 334	14	4.2	2634	3	US-09-479-409-30	Sequence 30, Appl
C 262	14	4.2	1325	4	US-09-976-594-1041	Sequence 1041, Ap	C 335	14	4.2	2634	4	US-09-479-453-30	Sequence 30, Appl
C 263	14	4.2	1329	4	US-09-252-991A-6983	Sequence 6983, Ap	C 336	14	4.2	2655	2	US-08-868-786-3	Sequence 3, Appli
C 264	14	4.2	1335	2	US-08-743-637B-182	Sequence 182, Ap	C 337	14	4.2	2661	4	US-09-252-991A-10428	Sequence 10428, A
C 265	14	4.2	1341	4	US-09-489-039A-2416	Sequence 2416, Ap	C 338	14	4.2	2679	4	US-09-252-991A-15623	Sequence 15623, A
C 266	14	4.2	1389	4	US-09-711-164-174	Sequence 174, Ap	C 339	14	4.2	2790	4	US-09-252-991A-2632	Sequence 2632, Ap
C 267	14	4.2	1389	4	US-09-489-039A-5256	Sequence 5256, Ap	C 340	14	4.2	2820	5	PCT-US93-11725-1	Sequence 1, Appli
C 268	14	4.2	1395	4	US-09-252-991A-11229	Sequence 11229, A	C 341	14	4.2	2841	4	US-09-489-039A-3885	Sequence 3885, Ap
C 269	14	4.2	1395	4	US-09-489-039A-986	Sequence 986, Ap	C 342	14	4.2	2896	1	US-08-441-430-31	Sequence 31, Appl
C 270	14	4.2	1401	4	US-09-489-039A-6151	Sequence 6151, Ap	C 343	14	4.2	2910	4	US-09-252-991A-7009	Sequence 7009, Ap
C 271	14	4.2	1404	4	US-09-252-991A-7154	Sequence 7154, Ap	C 344	14	4.2	2949	3	US-08-433-522A-1	Sequence 1, Appli
C 272	14	4.2	1407	4	US-09-252-991A-1725	Sequence 1725, Ap	C 345	14	4.2	2949	3	US-09-135-166-1	Sequence 1, Appli
C 273	14	4.2	1407	4	US-09-252-991A-5792	Sequence 5792, Ap	C 346	14	4.2	2949	3	US-08-942-046-1	Sequence 1, Appli
C 274	14	4.2	1407	4	US-09-489-039A-5557	Sequence 5557, Ap	C 347	14	4.2	2967	4	US-09-252-991A-10675	Sequence 10675, A
C 275	14	4.2	1416	4	US-09-107-532A-975	Sequence 975, Ap	C 348	14	4.2	2995	1	US-08-441-430-32	Sequence 32, Appl
C 276	14	4.2	1422	4	US-09-252-991A-6350	Sequence 6350, Ap	C 349	14	4.2	3027	4	US-09-252-991A-10492	Sequence 10492, A
C 277	14	4.2	1422	4	US-09-252-991A-6870	Sequence 6870, Ap	C 350	14	4.2	3095	4	US-09-293-549-7	Sequence 7, Appli
C 278	14	4.2	1428	4	US-09-252-991A-14802	Sequence 14802, A	C 351	14	4.2	3099	4	US-09-252-991A-7487	Sequence 7487, Ap
C 279	14	4.2	1437	4	US-09-489-039A-7341	Sequence 7341, Ap	C 352	14	4.2	3144	4	US-09-252-991A-12554	Sequence 12554, A
C 280	14	4.2	1443	4	US-09-252-991A-8845	Sequence 8845, Ap	C 353	14	4.2	3186	4	US-09-252-991A-7120	Sequence 7120, Ap
C 281	14	4.2	1446	4	US-09-489-039A-1244	Sequence 1244, Ap	C 354	14	4.2	3209	1	US-07-803-633A-12	Sequence 12, Appl
C 282	14	4.2	1448	4	US-09-130-491-9	Sequence 9, Appli	C 355	14	4.2	3278	4	US-09-252-991A-2158	Sequence 2158, Ap
C 283	14	4.2	1449	4	US-09-252-991A-2200	Sequence 2200, Ap	C 356	14	4.2	3387	4	US-09-194-640A-2	Sequence 2, Appli
C 284	14	4.2	1455	4	US-09-252-991A-15728	Sequence 15728, A	C 357	14	4.2	3390	4	US-09-489-039A-3029	Sequence 3029, A
C 285	14	4.2	1458	4	US-09-489-039A-2996	Sequence 2996, Ap	C 358	14	4.2	3543	4	US-09-252-991A-15893	Sequence 15893, A
C 286	14	4.2	1482	4	US-09-566-921-93	Sequence 93, Appl	C 359	14	4.2	3667	4	US-09-221-017B-727	Sequence 727, Ap
C 287	14	4.2	1485	4	US-09-252-991A-10594	Sequence 10594, A	C 360	14	4.2	3683	3	US-08-450-962-1	Sequence 1, Appli
C 288	14	4.2	1491	4	US-09-252-991A-14336	Sequence 14336, A	C 361	14	4.2	3683	4	US-08-848-631-1	Sequence 1, Appli
C 289	14	4.2	1536	4	US-09-252-991A-10735	Sequence 10735, A	C 362	14	4.2	3868	3	US-09-357-070-1	Sequence 1, Appli
C 290	14	4.2	1572	4	US-09-252-991A-7304	Sequence 7304, Ap	C 363	14	4.2	3996	4	US-09-620-312D-195	Sequence 195, App
C 291	14	4.2	1575	4	US-09-543-681A-615	Sequence 615, App	C 364	14	4.2	3997	3	US-08-821-994-72	Sequence 72, Appl
C 292	14	4.2	1578	4	US-09-252-991A-13064	Sequence 13064, A	C 365	14	4.2	4257	4	US-09-252-991A-15796	Sequence 15796, A
C 293	14	4.2	1638	4	US-09-489-039A-3801	Sequence 3801, Ap	C 366	14	4.2	4276	4	US-09-434-066-22	Sequence 22, Appl
C 294	14	4.2	1644	4	US-09-252-991A-6563	Sequence 6563, Ap	C 367	14	4.2	4431	4	US-09-252-991A-12856	Sequence 12856, A
C 295	14	4.2	1668	4	US-09-252-991A-14950	Sequence 14950, A	C 368	14	4.2	4846	4	US-08-956-171E-276	Sequence 276, App
C 296	14	4.2	1671	4	US-09-252-991A-2839	Sequence 2839, Ap	C 369	14	4.2	4881	4	US-09-252-991A-7234	Sequence 7234, Ap
C 297	14	4.2	1707	4	US-09-252-991A-6693	Sequence 6693, Ap	C 370	14	4.2	5033	4	US-09-976-594-141	Sequence 141, App
C 298	14	4.2	1707	4	US-09-352-991A-10980	Sequence 10980, A	C 371	14	4.2	5220	2	US-08-777-405A-1	Sequence 1, Appli
C 299	14	4.2	1736	3	US-09-360-197-13	Sequence 13, Appli	C 372	14	4.2	5220	2	US-08-977-871A-1	Sequence 1, Appli
C 300	14	4.2	1752	4	US-09-489-039A-6840	Sequence 6840, Ap	C 373	14	4.2	5220	2	US-09-225-951-1	Sequence 1, Appli
C 301	14	4.2	1777	4	US-09-205-258-138	Sequence 138, App	C 374	14	4.2	5220	4	US-09-841-341-1	Sequence 1, Appli
C 302	14	4.2	1782	4	US-09-489-039A-1438	Sequence 1438, Ap	C 375	14	4.2	5220	4	US-10-027-591-1	Sequence 1, Appli
C 303	14	4.2	1794	4	US-09-252-991A-6581	Sequence 6581, Ap	C 376	14	4.2	5421	1	US-08-118-441-28	Sequence 28, Appl
C 304	14	4.2	1815	3	US-09-041-545-1	Sequence 1, Appli	C 377	14	4.2	5421	3	US-08-338-579A-28	Sequence 28, Appl
C 305	14	4.2	1815	3	US-09-327-925-1	Sequence 1, Appli	C 378	14	4.2	5421	5	PCT-US94-09851-28	Sequence 28, Appl
C 306	14	4.2	1818	4	US-09-252-991A-10649	Sequence 10649, A	C 379	14	4.2	5455	4	US-10-304-708-33	Sequence 33, Appl
C 307	14	4.2	1833	4	US-09-252-991A-11169	Sequence 11169, A	C 380	14	4.2	5636	4	US-09-376-594-335	Sequence 335, App
C 308	14	4.2	1890	4	US-09-252-991A-206	Sequence 206, App	C 381	14	4.2	6244	1	US-08-076-726-15	Sequence 15, Appl
C 309	14	4.2	1918	4	US-09-369-247-41	Sequence 41, Appl	C 382	14	4.2	6244	1	US-08-260-452-8	Sequence 8, Appli
C 310	14	4.2	2043	4	US-09-252-991A-11027	Sequence 11027, A	C 383	14	4.2	6244	2	US-08-481-970-8	Sequence 8, Appli
C 311	14	4.2	2060	3	US-09-370-807-1	Sequence 1, Appli	C 384	14	4.2	6244	2	US-08-897-719-8	Sequence 8, Appli
C 312	14	4.2	2060	4	US-09-921-259-1	Sequence 1, Appli	C 385	14	4.2	6244	3	US-09-163-269-8	Sequence 8, Appli
C 313	14	4.2	2073	4	US-09-252-991A-144	Sequence 144, App	C 386	14	4.2	6343	3	US-08-581-148C-30	Sequence 30, Appl
C 314	14	4.2	2073	4	US-09-252-991A-15779	Sequence 15779, A	C 387	14	4.2	7676	1	US-08-451-777A-7	Sequence 7, Appli
C 315	14	4.2	2073	4	US-09-489-039A-3869	Sequence 3869, Ap	C 388	14	4.2	7676	2	US-08-451-778A-7	Sequence 7, Appli
C 316	14	4.2	2075	4	US-09-602-543-3	Sequence 3, Appli	C 389	14	4.2	7676	2	US-08-998-208-7	Sequence 7, Appli
C 317	14	4.2	2080	4	US-09-713-273A-11	Sequence 11, Appl	C 390	14	4.2	7676	5	PCT-US95-06743-7	Sequence 7, Appli
C 318	14	4.2	2119	4	US-09-399-588-1	Sequence 1, Appli	C 391	14	4.2	8096	3	US-09-058-489-33	Sequence 33, Appl
C 319	14	4.2	2124	4	US-09-266-965-44	Sequence 44, Appl	C 392	14	4.2	8324	4	US-09-186-489-5	Sequence 5, Appli

C 393	14	4.2	8324	4	US-10-043-665B-5	Sequence 5, Appl	C 466	13	3.9	38	3	US-08-870-511-37	Sequence 37, Appl
C 394	14	4.2	8491	2	US-08-757-439-1	Sequence 1, Appl	467	13	3.9	39	3	US-08-870-511-40	Sequence 40, Appl
C 395	14	4.2	9171	2	US-08-629-001A-2	Sequence 2, Appl	468	13	3.9	40	1	US-08-530-492-90	Sequence 90, Appl
C 396	14	4.2	9171	3	US-08-642-274D-2	Sequence 2, Appl	469	13	3.9	40	1	US-08-906-517-90	Sequence 90, Appl
C 397	14	4.2	9171	3	US-08-552-127-2	Sequence 2, Appl	470	13	3.9	43	4	US-09-627-746-10	Sequence 10, Appl
C 398	14	4.2	9171	3	US-08-952-014C-2	Sequence 2, Appl	471	13	3.9	48	1	US-08-604-913B-7	Sequence 7, Appl
C 399	14	4.2	9196	4	US-08-984-090-1	Sequence 1, Appl	472	13	3.9	48	1	US-08-604-913B-9	Sequence 9, Appl
C 400	14	4.2	9385	2	US-08-974-266-1	Sequence 1, Appl	473	13	3.9	83	3	US-08-284-516C-18	Sequence 18, Appl
C 401	14	4.2	9385	4	US-09-360-416-1	Sequence 1, Appl	474	13	3.9	83	3	US-09-537-911A-18	Sequence 18, Appl
C 402	14	4.2	9421	2	US-08-370-319C-2	Sequence 2, Appl	475	13	3.9	104	1	US-08-198-670A-37	Sequence 37, Appl
C 403	14	4.2	9421	3	US-09-224-834-2	Sequence 2, Appl	476	13	3.9	168	4	US-09-963-137-22	Sequence 22, Appl
C 404	14	4.2	9515	1	US-08-520-812-13	Sequence 13, Appl	477	13	3.9	192	4	US-09-134-000C-795	Sequence 795, App
C 405	14	4.2	9515	1	US-08-920-827-13	Sequence 13, Appl	478	13	3.9	192	4	US-09-489-039A-3803	Sequence 3803, Ap
C 406	14	4.2	9515	1	US-08-921-177-13	Sequence 13, Appl	479	13	3.9	210	4	US-09-134-001C-1269	Sequence 1269, Ap
C 407	14	4.2	9515	1	US-08-362-577C-13	Sequence 13, Appl	480	13	3.9	213	4	US-09-439-313-416	Sequence 416, App
C 408	14	4.2	9515	2	US-08-920-828-13	Sequence 13, Appl	481	13	3.9	213	4	US-09-352-616A-416	Sequence 416, App
C 409	14	4.2	9870	1	US-08-508-836A-9	Sequence 9, Appl	482	13	3.9	213	4	US-09-636-215-416	Sequence 416, App
C 410	14	4.2	10091	3	US-09-058-489-34	Sequence 34, Appl	483	13	3.9	217	1	US-09-685-166A-416	Sequence 416, App
C 411	14	4.2	12752	2	US-08-459-146-1	Sequence 1, Appl	484	13	3.9	217	1	US-08-487-748A-7	Sequence 7, Appl
C 412	14	4.2	12752	2	US-08-459-065-1	Sequence 1, Appl	485	13	3.9	217	3	US-08-398-633-7	Sequence 7, Appl
C 413	14	4.2	16595	4	US-09-146-053-7	Sequence 7, Appl	486	13	3.9	217	3	US-08-480-070C-7	Sequence 7, Appl
C 414	14	4.2	17000	4	US-09-548-797B-7	Sequence 7, Appl	487	13	3.9	217	3	US-08-829-525-7	Sequence 7, Appl
C 415	14	4.2	17612	3	US-08-911-853-29	Sequence 29, Appl	488	13	3.9	217	3	US-08-609-583A-7	Sequence 7, Appl
C 416	14	4.2	17612	3	US-09-479-409-29	Sequence 29, Appl	489	13	3.9	217	3	US-08-937-399-7	Sequence 7, Appl
C 417	14	4.2	17612	3	US-09-479-453-29	Sequence 29, Appl	490	13	3.9	217	4	US-09-310-367-7	Sequence 7, Appl
C 418	14	4.2	18912	5	PCT-US96-03916-59	Sequence 59, Appl	491	13	3.9	217	4	US-09-032-337-7	Sequence 7, Appl
C 419	14	4.2	18912	5	PCT-US96-03916-59	Sequence 59, Appl	492	13	3.9	217	4	US-09-464-231-7	Sequence 7, Appl
C 420	14	4.2	21968	4	US-09-851-985-3	Sequence 3, Appl	493	13	3.9	223	4	US-09-023-655-713	Sequence 713, App
C 421	14	4.2	34001	4	US-09-596-002-18	Sequence 18, Appl	494	13	3.9	228	2	US-08-454-557C-102	Sequence 102, App
C 422	14	4.2	36741	3	US-09-301-665-3	Sequence 3, Appl	495	13	3.9	228	2	US-08-340-426D-102	Sequence 102, App
C 423	14	4.2	38682	3	US-08-943-731-2	Sequence 2, Appl	496	13	3.9	228	2	US-08-450-673C-102	Sequence 102, App
C 424	14	4.2	49136	3	US-09-422-869-1	Sequence 1, Appl	497	13	3.9	228	3	US-08-688-988-25	Sequence 25, Appl
C 425	14	4.2	53500	4	US-09-266-965-76	Sequence 76, Appl	498	13	3.9	228	5	PCT-US95-17111A-102	Sequence 102, App
C 426	14	4.2	62042	4	US-09-784-316-3	Sequence 3, Appl	499	13	3.9	234	2	US-08-105-989-8	Sequence 8, Appl
C 427	14	4.2	80246	3	US-09-078-294-4	Sequence 4, Appl	500	13	3.9	234	3	US-09-138-922-8	Sequence 8, Appl
C 428	14	4.2	80595	3	US-09-078-294-3	Sequence 3, Appl	501	13	3.9	250	3	US-09-276-531-11	Sequence 11, Appl
C 429	14	4.2	90050	3	US-09-245-041-5	Sequence 5, Appl	502	13	3.9	271	4	US-09-313-294A-3585	Sequence 3585, Ap
C 430	14	4.2	111282	4	US-09-754-250-3	Sequence 3, Appl	503	13	3.9	276	4	US-09-252-991A-11576	Sequence 11576, A
C 431	14	4.2	168975	4	US-09-426-290-1	Sequence 1, Appl	504	13	3.9	280	4	US-09-313-294A-1563	Sequence 1563, Ap
C 432	14	4.2	169998	4	US-09-676-610B-24	Sequence 24, Appl	505	13	3.9	285	4	US-09-313-294A-6468	Sequence 6468, Ap
C 433	14	4.2	197496	4	US-09-877-177A-10	Sequence 10, Appl	506	13	3.9	285	4	US-09-489-039A-158	Sequence 158, App
C 434	14	4.2	536165	4	US-09-214-808-1	Sequence 1, Appl	507	13	3.9	285	4	US-09-489-039A-3431	Sequence 3431, Ap
C 435	14	4.2	1664976	4	US-08-916-421B-1	Sequence 1, Appl	508	13	3.9	288	4	US-09-833-381-1129	Sequence 1129, Ap
C 436	14	4.2	1830121	4	US-09-557-884-1	Sequence 1, Appl	509	13	3.9	288	4	US-09-252-991A-9028	Sequence 9028, Ap
C 437	14	4.2	1830121	4	US-09-643-990A-1	Sequence 1, Appl	510	13	3.9	297	4	US-09-252-991A-2033	Sequence 2033, Ap
C 438	13	3.9	17	1	US-08-176-314-4	Sequence 4, Appl	511	13	3.9	297	4	US-09-252-991A-3534	Sequence 3534, Ap
C 439	13	3.9	17	4	US-08-584-040-7895	Sequence 7895, Ap	512	13	3.9	302	4	US-09-303-120B-1	Sequence 1, Appl
C 440	13	3.9	17	4	US-08-584-040-7896	Sequence 7896, Ap	513	13	3.9	302	4	US-09-313-294A-6435	Sequence 6435, Ap
C 441	13	3.9	17	4	US-09-371-772B-3678	Sequence 3678, Ap	514	13	3.9	302	4	US-08-956-171B-4471	Sequence 4471, Ap
C 442	13	3.9	17	4	US-09-371-772B-3679	Sequence 3679, Ap	515	13	3.9	325	4	US-09-252-991A-6457	Sequence 6457, Ap
C 443	13	3.9	17	5	PCT-US93-06545-4	Sequence 4, Appl	516	13	3.9	327	4	US-09-389-956-27	Sequence 27, Appl
C 444	13	3.9	20	1	US-08-580-038-87	Sequence 87, Appl	517	13	3.9	342	4	US-09-621-976-999	Sequence 999, App
C 445	13	3.9	20	2	US-08-904-901-20	Sequence 20, Appl	518	13	3.9	357	4	US-09-252-991A-8558	Sequence 8558, Ap
C 446	13	3.9	20	3	US-09-249-730-20	Sequence 20, Appl	519	13	3.9	366	4	US-09-134-001C-997	Sequence 997, App
C 447	13	3.9	20	3	US-09-249-730-20	Sequence 20, Appl	520	13	3.9	366	4	US-09-107-532A-1676	Sequence 1676, Ap
C 448	13	3.9	22	3	US-09-273-565-88	Sequence 88, Appl	521	13	3.9	369	4	US-09-621-976-14316	Sequence 14316, A
C 449	13	3.9	22	4	US-09-565-538-88	Sequence 88, Appl	522	13	3.9	371	4	US-09-543-681A-3863	Sequence 3863, Ap
C 450	13	3.9	22	4	US-09-661-468-88	Sequence 88, Appl	523	13	3.9	372	4	US-09-489-039A-3362	Sequence 3362, Ap
C 451	13	3.9	22	4	US-09-976-165-88	Sequence 88, Appl	524	13	3.9	372	4	US-09-621-976-16725	Sequence 16725, A
C 452	13	3.9	26	4	US-09-538-709-59	Sequence 59, Appl	525	13	3.9	373	4	US-09-134-000C-310	Sequence 310, App
C 453	13	3.9	26	4	US-09-538-709-61	Sequence 61, Appl	526	13	3.9	375	4	US-09-401-064-241	Sequence 241, App
C 454	13	3.9	26	4	US-09-538-709-73	Sequence 73, Appl	527	13	3.9	375	4	US-09-050-159-125	Sequence 125, App
C 455	13	3.9	26	4	US-09-538-709-75	Sequence 75, Appl	528	13	3.9	377	3	US-09-401-064-253	Sequence 253, App
C 456	13	3.9	31	3	US-09-273-565-92	Sequence 92, Appl	529	13	3.9	379	4	US-09-328-111-383	Sequence 383, App
C 457	13	3.9	31	4	US-09-565-538-92	Sequence 92, Appl	530	13	3.9	380	3	US-09-060-756-34	Sequence 34, Appl
C 458	13	3.9	31	4	US-09-661-468-92	Sequence 92, Appl	531	13	3.9	383	3	US-08-651-155B-237	Sequence 237, App
C 459	13	3.9	32	4	US-09-676-165-92	Sequence 92, Appl	532	13	3.9	383	4	US-09-670-314-34	Sequence 34, Appl
C 460	13	3.9	32	4	US-09-684-855-81	Sequence 81, Appl	533	13	3.9	383	4	US-09-194-036B-237	Sequence 237, App
C 461	13	3.9	34	4	US-09-684-855-80	Sequence 80, Appl	534	13	3.9	384	3	US-08-444-644-14	Sequence 14, Appl
C 462	13	3.9	34	3	US-09-273-565-44	Sequence 44, Appl	535	13	3.9	384	4	US-08-232-246A-14	Sequence 14, Appl
C 463	13	3.9	34	4	US-09-565-538-44	Sequence 44, Appl	536	13	3.9	384	4	US-09-107-532A-228	Sequence 228, App
C 464	13	3.9	34	4	US-09-661-468-44	Sequence 44, Appl	537	13	3.9	384	2	US-08-967-101-103	Sequence 103, App
C 465	13	3.9	34	4	US-09-976-165-44	Sequence 44, Appl	538	13	3.9	386			

C 539	13	3.9	386	2	US-08-592-541-103	Sequence 103, App	Sequence 103, App	612	13	3.9	507	4	US-09-833-381-1378	Sequence 1378, Ap
C 540	13	3.9	386	3	US-09-124-688-103	Sequence 103, App	Sequence 103, App	613	13	3.9	510	4	US-09-252-991A-3773	Sequence 3773, Ap
C 541	13	3.9	386	3	US-09-127-480-103	Sequence 103, App	Sequence 103, App	614	13	3.9	511	4	US-09-621-976-3316	Sequence 3316, Ap
C 542	13	3.9	386	3	US-08-496-841C-103	Sequence 103, App	Sequence 103, App	615	13	3.9	513	4	US-09-489-039A-164	Sequence 164, App
C 543	13	3.9	386	4	US-09-124-523-103	Sequence 103, App	Sequence 103, App	616	13	3.9	516	4	US-09-252-991A-7257	Sequence 7257, Ap
C 544	13	3.9	386	4	US-09-636-786A-103	Sequence 103, App	Sequence 103, App	617	13	3.9	519	4	US-09-252-991A-3521	Sequence 3521, Ap
C 545	13	3.9	386	4	US-08-431-048P-103	Sequence 103, App	Sequence 103, App	618	13	3.9	521	4	US-09-621-976-17468	Sequence 17468, A
C 546	13	3.9	391	3	US-09-034-205-1	Sequence 1, Appli	Sequence 1, Appli	619	13	3.9	524	1	US-08-340-539A-10	Sequence 10, Appl
C 547	13	3.9	391	3	US-09-034-205-2	Sequence 2, Appli	Sequence 2, Appli	620	13	3.9	524	2	US-08-461-592B-10	Sequence 10, Appl
C 548	13	3.9	391	3	US-09-034-205-3	Sequence 3, Appli	Sequence 3, Appli	621	13	3.9	525	4	US-09-252-991A-10241	Sequence 10241, A
C 549	13	3.9	391	3	US-09-034-205-4	Sequence 4, Appli	Sequence 4, Appli	622	13	3.9	531	4	US-09-252-991A-8262	Sequence 8262, Ap
C 550	13	3.9	391	3	US-08-934-097A-1	Sequence 1, Appli	Sequence 1, Appli	623	13	3.9	534	4	US-09-252-991A-11881	Sequence 11881, A
C 551	13	3.9	391	3	US-08-934-097A-2	Sequence 2, Appli	Sequence 2, Appli	624	13	3.9	534	4	US-09-489-039A-2483	Sequence 2483, Ap
C 552	13	3.9	391	3	US-08-934-097A-3	Sequence 3, Appli	Sequence 3, Appli	625	13	3.9	538	2	US-08-332-766A-24	Sequence 24, Appl
C 553	13	3.9	391	3	US-08-934-097A-4	Sequence 4, Appli	Sequence 4, Appli	626	13	3.9	546	4	US-09-252-991A-11071	Sequence 11071, A
C 554	13	3.9	391	3	US-08-851-588-1	Sequence 1, Appli	Sequence 1, Appli	627	13	3.9	549	4	US-09-489-039A-1648	Sequence 1648, Ap
C 555	13	3.9	391	3	US-08-851-588-2	Sequence 2, Appli	Sequence 2, Appli	628	13	3.9	558	4	US-09-252-991A-9142	Sequence 9142, Ap
C 556	13	3.9	391	3	US-08-851-588-3	Sequence 3, Appli	Sequence 3, Appli	629	13	3.9	560	3	US-09-059-369-18	Sequence 18, Appl
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C 558	13	3.9	391	4	US-09-677-218B-1	Sequence 1, Appli	Sequence 1, Appli	631	13	3.9	560	4	US-09-123-912-72	Sequence 72, Appl
C 559	13	3.9	391	4	US-09-677-218B-2	Sequence 2, Appli	Sequence 2, Appli	632	13	3.9	560	4	US-09-643-587-72	Sequence 72, Appl
C 560	13	3.9	391	4	US-09-677-218B-3	Sequence 3, Appli	Sequence 3, Appli	633	13	3.9	560	4	US-09-480-894A-72	Sequence 72, Appl
C 561	13	3.9	391	4	US-09-677-218B-4	Sequence 4, Appli	Sequence 4, Appli	634	13	3.9	560	4	US-09-542-615A-72	Sequence 72, Appl
C 562	13	3.9	391	4	US-09-677-192-1	Sequence 1, Appli	Sequence 1, Appli	635	13	3.9	560	4	US-09-606-421B-72	Sequence 72, Appl
C 563	13	3.9	391	4	US-09-677-192-2	Sequence 2, Appli	Sequence 2, Appli	636	13	3.9	560	4	US-09-221-107-72	Sequence 72, Appl
C 564	13	3.9	391	4	US-09-677-192-3	Sequence 3, Appli	Sequence 3, Appli	637	13	3.9	564	4	US-09-134-001C-1906	Sequence 1906, Ap
C 565	13	3.9	391	4	US-09-677-192-4	Sequence 4, Appli	Sequence 4, Appli	638	13	3.9	570	4	US-09-252-991A-2145	Sequence 2145, Ap
C 566	13	3.9	400	4	US-08-956-171E-3704	Sequence 3704, Ap	Sequence 3704, Ap	639	13	3.9	570	4	US-08-956-171E-721	Sequence 721, App
C 567	13	3.9	400	4	US-08-956-171E-4128	Sequence 4128, Ap	Sequence 4128, Ap	640	13	3.9	573	4	US-09-252-991A-11567	Sequence 11567, A
C 568	13	3.9	405	3	US-09-328-111-195	Sequence 195, App	Sequence 195, App	641	13	3.9	576	4	US-09-328-352-1151	Sequence 1151, Ap
C 569	13	3.9	405	3	US-09-252-991A-6859	Sequence 6859, Ap	Sequence 6859, Ap	642	13	3.9	579	2	US-08-820-170A-5	Sequence 5, Appli
C 570	13	3.9	408	4	US-09-252-991A-8541	Sequence 8541, Ap	Sequence 8541, Ap	643	13	3.9	579	3	US-09-055-699-5	Sequence 5, Appli
C 571	13	3.9	414	4	US-09-489-039A-6850	Sequence 6850, Ap	Sequence 6850, Ap	644	13	3.9	579	3	US-09-273-565-5	Sequence 5, Appli
C 572	13	3.9	414	4	US-08-621-976-983	Sequence 983, App	Sequence 983, App	645	13	3.9	579	4	US-08-565-538-5	Sequence 5, Appli
C 573	13	3.9	417	4	US-09-252-991A-10500	Sequence 10500, A	Sequence 10500, A	646	13	3.9	579	4	US-09-661-468-5	Sequence 5, Appli
C 574	13	3.9	422	4	US-08-833-381-252	Sequence 252, App	Sequence 252, App	647	13	3.9	579	4	US-09-976-165-5	Sequence 5, Appli
C 575	13	3.9	423	1	US-08-470-179-41	Sequence 41, Appl	Sequence 41, Appl	648	13	3.9	579	5	PCT-US96-05320A-1664	Sequence 1664, Ap
C 576	13	3.9	426	4	US-09-328-352-2154	Sequence 2154, Ap	Sequence 2154, Ap	649	13	3.9	582	4	US-09-252-991A-6899	Sequence 6899, Ap
C 577	13	3.9	431	3	US-09-621-976-8714	Sequence 8714, Ap	Sequence 8714, Ap	650	13	3.9	584	4	US-09-621-976-18592	Sequence 18592, A
C 578	13	3.9	431	3	US-09-012-084-1	Sequence 1, Appli	Sequence 1, Appli	651	13	3.9	585	4	US-09-252-991A-10751	Sequence 10751, A
C 579	13	3.9	437	4	US-08-621-976-17335	Sequence 17335, A	Sequence 17335, A	652	13	3.9	588	4	US-09-252-991A-3961	Sequence 3961, Ap
C 580	13	3.9	438	4	US-09-489-039A-3082	Sequence 3082, Ap	Sequence 3082, Ap	653	13	3.9	589	1	US-08-580-038-4	Sequence 4, Appli
C 581	13	3.9	441	4	US-09-252-991A-2041	Sequence 2041, Ap	Sequence 2041, Ap	654	13	3.9	589	1	US-08-580-038-6	Sequence 6, Appli
C 582	13	3.9	441	4	US-09-107-532A-1392	Sequence 1392, Ap	Sequence 1392, Ap	655	13	3.9	590	1	US-08-580-038-8	Sequence 8, Appli
C 583	13	3.9	444	4	US-09-489-039A-5821	Sequence 5821, Ap	Sequence 5821, Ap	656	13	3.9	591	1	US-08-580-038-3	Sequence 3, Appli
C 584	13	3.9	445	4	US-08-621-976-2515	Sequence 2515, Ap	Sequence 2515, Ap	657	13	3.9	591	1	US-08-580-038-5	Sequence 5, Appli
C 585	13	3.9	447	4	US-09-489-039A-7040	Sequence 7040, Ap	Sequence 7040, Ap	658	13	3.9	591	1	US-08-580-038-12	Sequence 12, Appl
C 586	13	3.9	450	4	US-09-489-039A-3550	Sequence 3550, Ap	Sequence 3550, Ap	659	13	3.9	591	1	US-08-580-038-13	Sequence 13, Appl
C 587	13	3.9	458	4	US-09-621-976-16724	Sequence 16724, A	Sequence 16724, A	660	13	3.9	591	1	US-08-580-038-20	Sequence 20, Appl
C 588	13	3.9	461	4	US-09-004-838-68	Sequence 68, Appl	Sequence 68, Appl	661	13	3.9	591	4	US-08-580-038-22	Sequence 22, Appl
C 589	13	3.9	462	4	US-09-252-991A-3596	Sequence 3596, Ap	Sequence 3596, Ap	662	13	3.9	592	1	US-09-252-991A-7544	Sequence 7544, Ap
C 590	13	3.9	464	4	US-08-956-171E-724	Sequence 14792, A	Sequence 14792, A	663	13	3.9	592	1	US-08-580-038-9	Sequence 9, Appli
C 591	13	3.9	464	2	US-08-866-757-3	Sequence 74, App	Sequence 74, App	664	13	3.9	592	1	US-08-580-038-10	Sequence 10, Appl
C 592	13	3.9	473	3	US-08-153-593-3	Sequence 3, Appli	Sequence 3, Appli	665	13	3.9	592	1	US-08-580-038-11	Sequence 11, Appl
C 593	13	3.9	474	4	US-09-252-991A-3236	Sequence 3236, Ap	Sequence 3236, Ap	666	13	3.9	592	1	US-08-580-038-19	Sequence 19, Appl
C 594	13	3.9	474	4	US-09-621-976-2182	Sequence 2182, Ap	Sequence 2182, Ap	667	13	3.9	592	1	US-08-580-038-21	Sequence 21, Appl
C 595	13	3.9	477	4	US-09-252-991A-6604	Sequence 6604, Ap	Sequence 6604, Ap	668	13	3.9	592	1	US-08-580-038-23	Sequence 23, Appl
C 596	13	3.9	485	4	US-08-621-976-547	Sequence 547, App	Sequence 547, App	669	13	3.9	593	1	US-08-580-038-7	Sequence 7, Appli
C 597	13	3.9	485	4	US-08-621-976-10726	Sequence 10726, A	Sequence 10726, A	670	13	3.9	593	1	US-08-580-038-14	Sequence 14, Appl
C 598	13	3.9	485	4	US-09-621-976-16723	Sequence 16723, A	Sequence 16723, A	671	13	3.9	593	1	US-08-580-038-16	Sequence 16, Appl
C 599	13	3.9	485	4	US-09-489-039A-2661	Sequence 2661, A	Sequence 2661, A	672	13	3.9	593	1	US-08-580-038-17	Sequence 17, Appl
C 600	13	3.9	491	4	US-09-621-976-808	Sequence 808, App	Sequence 808, App	673	13	3.9	593	1	US-08-580-038-18	Sequence 18, Appl
C 601	13	3.9	491	4	US-09-621-976-873	Sequence 873, App	Sequence 873, App	674	13	3.9	593	1	US-08-580-038-24	Sequence 24, Appl
C 602	13	3.9	492	4	US-09-134-001C-808	Sequence 808, App	Sequence 808, App	675	13	3.9	593	1	US-08-580-038-25	Sequence 25, Appl
C 603	13	3.9	492	4	US-09-252-991A-11803	Sequence 11803, A	Sequence 11803, A	676	13	3.9	597	4	US-09-252-991A-6633	Sequence 6633, Ap
C 604	13	3.9	493	4	US-08-621-976-2217	Sequence 2217, Ap	Sequence 2217, Ap	677	13	3.9	600	4	US-09-252-991A-9435	Sequence 9435, Ap
C 605	13	3.9	493	4	US-09-621-976-15594	Sequence 15594, A	Sequence 15594, A	678	13	3.9	606	4	US-09-252-991A-15290	Sequence 15290, A
C 606	13	3.9	494	4	US-09-621-976-367	Sequence 367, App	Sequence 367, App	679	13	3.9	606	4	US-09-489-039A-1368	Sequence 1368, Ap
C 607	13	3.9	494	4	US-09-252-991A-7246	Sequence 7246, Ap	Sequence 7246, Ap	680	13	3.9	611	3	US-09-328-111-416	Sequence 416, App
C 608	13	3.9	495	4	US-09-621-976-1928	Sequence 1928, Ap	Sequence 1928, Ap	681	13	3.9	618	4	US-09-252-991A-6939	Sequence 6939, Ap
C 609	13	3.9	495	4	US-08-621-976-16895	Sequence 16895, A	Sequence 16895, A	682	13	3.9	620	2	US-08-757-853-144	Sequence 143, App
C 610	13	3.9	496	4	US-09-621-976-16895	Sequence 16895, A	Sequence 16895, A	683	13	3.9	620	2	US-08-757-853-144	Sequence 144, App
C 611	13	3.9	501	4	US-09-621-976-176	Sequence 176, App	Sequence 176, App	684	13	3.9	620	2	US-08-757-853-145	Sequence 145, App

685	13	3-9	620	2	US-08-757-653-146	Sequence 146, App	758	13	3-9	678	4	US-09-489-039A-6806	Sequence 6806, Ap
686	13	3-9	620	2	US-08-757-653-147	Sequence 147, App	759	13	3-9	681	4	US-09-655-270A-14	Sequence 14, Appl
687	13	3-9	620	2	US-08-757-653-148	Sequence 148, App	760	13	3-9	681	4	US-09-651-941-16	Sequence 16, Appl
688	13	3-9	620	2	US-08-757-653-149	Sequence 149, App	761	13	3-9	681	4	US-09-955-597-16	Sequence 16, Appl
689	13	3-9	620	4	US-08-757-653-150	Sequence 150, App	C 762	13	3-9	684	3	US-09-489-039A-3653	Sequence 3653, Ap
690	13	3-9	620	4	US-08-757-653-151	Sequence 151, App	C 763	13	3-9	684	3	US-08-911-853-22	Sequence 22, Appl
691	13	3-9	620	4	US-08-757-653-152	Sequence 152, App	C 764	13	3-9	684	3	US-09-479-409-22	Sequence 22, Appl
692	13	3-9	620	4	US-08-757-653-153	Sequence 153, App	C 765	13	3-9	684	3	US-09-479-409-22	Sequence 22, Appl
693	13	3-9	620	4	US-08-757-653-154	Sequence 154, App	C 766	13	3-9	690	4	US-09-252-991A-3288	Sequence 3288, Ap
694	13	3-9	620	4	US-08-757-653-155	Sequence 155, App	C 767	13	3-9	690	4	US-09-252-991A-3288	Sequence 3288, Ap
695	13	3-9	620	4	US-08-757-653-156	Sequence 156, App	C 768	13	3-9	693	4	US-09-489-039A-2071	Sequence 2071, Ap
696	13	3-9	620	4	US-08-757-653-157	Sequence 157, App	C 769	13	3-9	693	4	US-09-252-991A-7308	Sequence 7308, Ap
697	13	3-9	620	4	US-08-757-653-158	Sequence 158, App	C 770	13	3-9	693	4	US-09-252-991A-12556	Sequence 12556, A
698	13	3-9	620	4	US-09-555-378A-143	Sequence 143, App	C 771	13	3-9	696	1	US-08-181-271A-11	Sequence 11, Appl
699	13	3-9	620	4	US-09-555-378A-144	Sequence 144, App	C 772	13	3-9	696	1	US-08-449-315-11	Sequence 11, Appl
700	13	3-9	620	4	US-09-555-378A-145	Sequence 145, App	C 773	13	3-9	696	1	US-08-444-803-11	Sequence 11, Appl
701	13	3-9	620	4	US-09-555-378A-146	Sequence 146, App	C 774	13	3-9	696	1	US-08-449-043-11	Sequence 11, Appl
702	13	3-9	620	4	US-09-555-378A-147	Sequence 147, App	C 775	13	3-9	696	1	US-08-456-262A-11	Sequence 11, Appl
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C 841	13	3.9	809	2	US-08-456-240-9	Sequence 9, Appli	914	13	3.9	1008	4	US-09-252-991A-4028	Sequence 7300, Ap
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C 843	13	3.9	809	2	US-08-971-217-9	Sequence 9, Appli	916	13	3.9	1011	4	US-09-252-991A-136	Sequence 6, Appli
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C 849	13	3.9	825	4	US-09-252-991A-16147	Sequence 16147, A	922	13	3.9	1015	4	US-09-976-165-6	Sequence 6, Appli
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C 855	13	3.9	840	4	US-09-252-991A-16035	Sequence 16035, A	928	13	3.9	1032	4	US-08-828-323-6	Sequence 6, Appli
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987 13 3.9 1194 4 US-09-489-039A-160 Sequence 160, App
C 988 13 3.9 1206 4 US-09-252-991A-2124 Sequence 2124, Ap
989 13 3.9 1206 4 US-09-252-991A-9058 Sequence 9058, Ap
C 990 13 3.9 1206 4 US-09-489-039A-6066 Sequence 6066, Ap
991 13 3.9 1209 4 US-09-489-039A-3354 Sequence 3354, Ap
992 13 3.9 1215 4 US-09-489-039A-1776 Sequence 1776, Ap
C 993 13 3.9 1215 4 US-09-489-039A-4435 Sequence 4435, Ap
C 994 13 3.9 1215 4 US-09-489-039A-4946 Sequence 4946, Ap
995 13 3.9 1218 4 US-09-489-039A-403 Sequence 403, App
C 996 13 3.9 1221 4 US-09-252-991A-13701 Sequence 13701, A
997 13 3.9 1230 4 US-09-489-039A-7046 Sequence 7046, Ap
998 13 3.9 1245 4 US-09-252-991A-10292 Sequence 10292, A
999 13 3.9 1248 4 US-09-252-991A-7361 Sequence 7361, Ap
1000 13 3.9 1251 4 US-09-252-991A-10142 Sequence 10142, A

ALIGNMENTS

RESULT 1
US-09-620-312D-625
; Sequence 625, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyang
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt FL_genes Version 1.0
; SEQ ID NO 625
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (945)..(1229)
US-09-620-312D-625

Query Match 6.5%; Score 22; DB 4; Length 1878;
Best Local Similarity 100.0%; Pred. No. 0.0028;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 11 TTTTCTATGCTCTCCCTGCTGG 32
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Db 473 TTTTCTATGCTCTCCCTGCTGG 494
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RESULT 2
US-09-326-203A-14
; Sequence 14, Application US/09326203A
; Patent No. 6444876
; GENERAL INFORMATION:
; APPLICANT: Lasserer, Mike
; APPLICANT: Ruzitsky, Diane
; TITLE OF INVENTION: Acyl-CoA:Cholesterol Acyltransferase Related Nucleic
; TITLE OF INVENTION: Acid Sequences
; FILE REFERENCE: 17045/00/NO
; CURRENT APPLICATION NUMBER: US/09/326,203A
; CURRENT FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 60/088,143
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/108,389
; PRIOR FILING DATE: 1998-11-12
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (209)
; OTHER INFORMATION: n at position 209 is unknown
US-09-326-203A-14

Query Match 6.0%; Score 20; DB 4; Length 1895;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATGG 41
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Db 524 CTCCTGCTGGCGCTGATGG 543
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RESULT 3
US-09-165-042-2
; Sequence 2, Application US/09165042
; Patent No. 6100077
; GENERAL INFORMATION:
; APPLICANT: Sturley, Stephen L.
; APPLICANT: Oelkers, Peter
; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
; TITLE OF INVENTION: ACYLTRANSFERASE
; FILE REFERENCE: 0575/56331
; CURRENT APPLICATION NUMBER: US/09/165,042
; CURRENT FILING DATE: 1998-10-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: Yeast
US-09-165-042-2

Query Match 6.0%; Score 20; DB 3; Length 1976;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATGG 41
|||||
Db 823 CTCCTGCTGGCGCTGATGG 842
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RESULT 4
US-09-489-039A-1843
; Sequence 1843, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 1843
; LENGTH: 939
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-1843

Query Match 5.7%; Score 19; DB 4; Length 939;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 TGCTGGCGCTGATGGGAGA 45
Db 377 TGCTGGCGCTGATGGGAGA 395

RESULT 5
US-09-252-991A-5614
; Sequence 5614, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5614
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5614

Query Match 5.1%; Score 17; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATGG 41
Db 655 CCTGCTGGCGCTGATGG 671

RESULT 6
US-09-252-991A-5584/c
; Sequence 5584, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5584
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5584

Query Match 5.1%; Score 17; DB 4; Length 2079;
Best Local Similarity 100.0%; Pred. No. 2.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATGG 41
Db 232 CCTGCTGGCGCTGATGG 216

RESULT 7
US-09-252-991A-5645
; Sequence 5645, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5645
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5645

Query Match 5.1%; Score 17; DB 4; Length 2436;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATGG 41
Db 888 CCTGCTGGCGCTGATGG 904

RESULT 8
US-09-489-039A-887/c
; Sequence 887, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 887
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-887

Query Match 4.8%; Score 16; DB 4; Length 390;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 25 CCTGCTGGCGCTGATG 40
Db 173 CCTGCTGGCGCTGATG 158

RESULT 9
US-09-621-976-1639/C
; Sequence 1639, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 1639
; LENGTH: 478
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 47..274
; NAME/KEY: sig_peptide
; LOCATION: 47..124
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5.40000009536743
; OTHER INFORMATION: seq LLWAWLWPKCTLT/CV
US-09-621-976-1639

Query Match 4.8%; Score 16; DB 4; Length 478;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 CAAAGGAGAGATAGTG 174
Db 164 CAAAGGAGAGATAGTG 149

RESULT 10
US-09-621-976-18442
; Sequence 18442, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18442
; LENGTH: 518
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18442

Query Match 4.8%; Score 16; DB 4; Length 518;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 CTGGCGCTGATGGAG 44
Db 10 CTGGCGCTGATGGAG 25

RESULT 11
US-09-489-039A-94
; Sequence 94, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 94
; LENGTH: 651
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-94

Query Match 4.8%; Score 16; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATG 40
Db 213 CCTGCTGGCGCTGATG 228

RESULT 12
US-09-489-039A-4386
; Sequence 4386, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4386
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4386

Query Match 4.8%; Score 16; DB 4; Length 771;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATG 40
Db 201 CCTGCTGGCGCTGATG 216

RESULT 13
US-09-489-039A-4989
; Sequence 4989, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4989
; LENGTH: 960
; TYPE: DNA
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; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4989

Query Match      4.8%; Score 16; DB 4; Length 960;
Best Local Similarity 100.0%; Pred.No.11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 CCCTGCTGGCGCTGAT 39
Db 170 CCCTGCTGGCGCTGAT 185

RESULT 14
US-09-543-681A-1655/C
; Sequence 1655, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 1655
; LENGTH: 1020
; TYPE: DNA
; ORGANISM: Proteus mirabilis
US-09-543-681A-1655

Query Match      4.8%; Score 16; DB 4; Length 1020;
Best Local Similarity 100.0%; Pred.No.11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 159 CAAAGGAAGATAGTG 174
Db 636 CAAAGGAAGATAGTG 621

RESULT 15
US-09-489-039A-754
; Sequence 754, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Bretton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 754
; LENGTH: 1023
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-754

Query Match      4.8%; Score 16; DB 4; Length 1023;
Best Local Similarity 100.0%; Pred.No.11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 CTGCTGGCGCTGATGG 41
Db 607 CTGCTGGCGCTGATGG 622

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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	22	6.5	455	15	US-10-198-846-1775
5	22	6.5	1878	15	US-10-037-270-625
6	22	6.5	1878	16	US-10-117-722-625
7	22	6.5	2061	15	US-10-198-846-11013
8	20	6.0	371	9	US-09-867-701-5894
9	20	6.0	457	9	US-09-867-701-2415
10	20	6.0	1411	15	US-10-273-438-1
11	20	6.0	1411	15	US-10-040-315A-1
12	20	6.0	1411	17	US-10-659-800-1
13	20	6.0	1467	15	US-10-278-733-2
14	20	6.0	1467	15	US-10-278-733-9

6.0	1895	14	US-10-157-855-14	Sequence 14, Appl
6.0	4237	9	US-09-962-832-117	Sequence 117, App
6.0	4237	10	US-09-873-367C-319	Sequence 319, App
5.7	927	13	US-10-282-122A-23461	Sequence 23461, A
5.4	96597	12	US-10-052-482-103	Sequence 103, App
5.1	257	9	US-09-864-761-30713	Sequence 30713, A
5.1	382	9	US-09-864-761-14158	Sequence 14158, A
5.1	419	9	US-09-864-761-16753	Sequence 16753, A
5.1	475	9	US-09-864-761-14992	Sequence 14992, A
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5.1	537	16	US-10-027-632-181194	Sequence 181194, A
5.1	931	13	US-10-424-599-129252	Sequence 129252, A
5.1	969	13	US-10-424-599-58696	Sequence 58696, A
5.1	969	13	US-10-425-114-11139	Sequence 11139, A
5.1	2442	13	US-10-282-122A-15579	Sequence 15579, A
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4.8	25	15	US-10-098-263B-24725	Sequence 24725, A
4.8	343	13	US-10-085-783A-38655	Sequence 38655, A
4.8	343	16	US-10-242-535A-38655	Sequence 38655, A
4.8	395	10	US-09-803-719-1193	Sequence 1193, App
4.8	399	10	US-09-803-719-816	Sequence 816, App
4.8	403	10	US-09-918-395-5789	Sequence 5789, App
4.8	405	9	US-09-960-352-739	Sequence 739, App
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4.8	420	9	US-09-867-701-5349	Sequence 5349, App
4.8	424	9	US-09-867-701-8204	Sequence 8204, App
4.8	433	10	US-09-918-624B-58	Sequence 58, Appl
4.8	436	9	US-09-867-701-4182	Sequence 4182, App
4.8	448	13	US-10-027-632-79571	Sequence 79571, A
4.8	448	13	US-10-027-632-303305	Sequence 303305, A
4.8	448	16	US-10-027-632-79571	Sequence 79571, A
4.8	448	16	US-10-027-632-303305	Sequence 303305, A
4.8	482	13	US-10-027-632-79522	Sequence 79522, A
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4.8	482	13	US-10-027-632-81070	Sequence 81070, A
4.8	482	16	US-10-027-632-301231	Sequence 301231, A
4.8	482	13	US-10-027-632-301231	Sequence 301231, A
4.8	482	16	US-10-027-632-301232	Sequence 301232, A
4.8	482	16	US-10-027-632-79522	Sequence 79522, A
4.8	482	16	US-10-027-632-79523	Sequence 79523, A
4.8	482	16	US-10-027-632-81069	Sequence 81069, A
4.8	482	16	US-10-027-632-81070	Sequence 81070, A
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96	16	4.8	3878	15	US-10-128-714-207	Sequence 207, App	C 169	15	4.5	15	US-09-360-352-11302	Sequence 11302, A
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98	16	4.8	4020	13	US-10-342-887-1811	Sequence 1811, Ap	C 171	15	4.5	15	US-10-125-258-9	Sequence 9, Appli
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115	16	4.8	1830121	15	US-10-329-860-1	Sequence 1, Appli	C 188	15	4.5	15	US-09-770-961-173	Sequence 173, App
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125	15	4.5	158	15	US-10-029-386-16023	Sequence 16023, A	C 198	15	4.5	15	US-10-085-959-40	Sequence 40, Appl
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139	15	4.5	336	15	US-10-125-258-7	Sequence 7, Appli	C 212	15	4.5	15	US-10-027-632-1451	Sequence 1451, Ap
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148	15	4.5	388	9	US-09-360-352-9561	Sequence 9561, Ap	C 221	15	4.5	15	US-10-424-599-105636	Sequence 105636, A
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83	15	4.5	1174	15	US-10-174-586-353	Sequence 353, App	456	15	4.5	1174	15	US-10-187-757-353	Sequence 353, App
84	15	4.5	1174	15	US-10-175-747-353	Sequence 353, App	457	15	4.5	1174	15	US-10-187-757-353	Sequence 353, App
85	15	4.5	1174	15	US-10-175-747-353	Sequence 353, App	457	15	4.5	1174	15	US-10-187-757-353	Sequence 353, App
86	15	4.5	1174	15	US-10-176-481-353	Sequence 353, App	458	15	4.5	1174	15	US-10-188-767-353	Sequence 353, App
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89	15	4.5	1174	15	US-10-176-493-353	Sequence 353, App	461	15	4.5	1174	15	US-10-188-773-353	Sequence 353, App
90	15	4.5	1174	15	US-10-176-756-353	Sequence 353, App	462	15	4.5	1174	15	US-10-188-781-353	Sequence 353, App
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95	15	4.5	1174	15	US-10-179-510-353	Sequence 353, App	467	15	4.5	1174	15	US-10-195-902-353	Sequence 353, App
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98	15	4.5	1174	15	US-10-180-546-353	Sequence 353, App	470	15	4.5	1174	15	US-10-173-708-353	Sequence 353, App
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102	15	4.5	1174	15	US-10-180-559-353	Sequence 353, App	474	15	4.5	1174	15	US-10-179-507-353	Sequence 353, App
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109	15	4.5	1174	15	US-10-184-637-353	Sequence 353, App	481	15	4.5	1174	15	US-10-183-008-353	Sequence 353, App
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115	15	4.5	1174	15	US-10-187-745-353	Sequence 353, App	487	15	4.5	1174	15	US-10-184-627-353	Sequence 353, App
116	15	4.5	1174	15	US-10-187-885-353	Sequence 353, App	488	15	4.5	1174	15	US-10-184-645-353	Sequence 353, App
117	15	4.5	1174	15	US-10-187-886-353	Sequence 353, App	489	15	4.5	1174	15	US-10-184-654-353	Sequence 353, App
118	15	4.5	1174	15	US-10-189-464-353	Sequence 353, App	490	15	4.5	1174	15	US-10-184-655-353	Sequence 353, App
119	15	4.5	1174	15	US-10-196-751-353	Sequence 353, App	491	15	4.5	1174	15	US-10-188-774-353	Sequence 353, App
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142	15	4.5	1174	15	US-10-184-651-353	Sequence 353, App	514	15	4.5	1174	15	US-10-192-010-353	Sequence 353, App
143	15	4.5	1174	15	US-10-187-588-353	Sequence 353, App	515	15	4.5	1174	15	US-10-205-908-353	Sequence 353, App
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533	15	4.5	1174	15	US-10-198-768-353	Sequence 353, App	Sequence 353, App	606	15	4.5	1174	15	US-10-184-639-353	Sequence 353, App
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687	15	4.5	1174	15	US-10-207-918-353	Sequence 353, App	760	15	4.5	1174	15	US-10-202-940-353	Sequence 353, App
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701	15	4.5	1174	15	US-10-173-693-353	Sequence 353, App	774	15	4.5	1174	15	US-10-206-907-353	Sequence 353, App
702	15	4.5	1174	15	US-10-174-578-353	Sequence 353, App	775	15	4.5	1174	15	US-10-015-387A-323	Sequence 323, App
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708	15	4.5	1174	15	US-10-194-360-353	Sequence 353, App	781	15	4.5	1174	15	US-10-015-822A-323	Sequence 323, App
709	15	4.5	1174	15	US-10-194-365-353	Sequence 353, App	782	15	4.5	1174	15	US-10-015-387A-323	Sequence 323, App
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711	15	4.5	1174	15	US-10-195-895-353	Sequence 353, App	784	15	4.5	1174	15	US-10-199-672-353	Sequence 323, App
712	15	4.5	1174	15	US-10-199-302-353	Sequence 353, App	785	15	4.5	1174	15	US-10-006-172A-323	Sequence 323, App
713	15	4.5	1174	15	US-10-201-323-353	Sequence 353, App	786	15	4.5	1174	15	US-10-187-749-353	Sequence 353, App
714	15	4.5	1174	15	US-10-205-510-353	Sequence 353, App	787	15	4.5	1174	15	US-10-194-457-353	Sequence 353, App
715	15	4.5	1174	15	US-10-205-891-353	Sequence 353, App	788	15	4.5	1174	15	US-10-184-642-353	Sequence 353, App
716	15	4.5	1174	15	US-10-206-917-353	Sequence 353, App	789	15	4.5	1174	15	US-10-196-747-353	Sequence 353, App
717	15	4.5	1174	15	US-10-207-923-353	Sequence 353, App	790	15	4.5	1174	15	US-10-173-689-353	Sequence 353, App
718	15	4.5	1174	15	US-10-207-924-353	Sequence 353, App	791	15	4.5	1174	15	US-10-173-690-353	Sequence 353, App
719	15	4.5	1174	15	US-10-208-028-353	Sequence 353, App	792	15	4.5	1174	15	US-10-173-691-353	Sequence 353, App
720	15	4.5	1174	15	US-10-012-121A-323	Sequence 323, App	793	15	4.5	1174	15	US-10-173-698-353	Sequence 353, App
721	15	4.5	1174	15	US-10-205-904-353	Sequence 353, App	794	15	4.5	1174	15	US-10-173-698-353	Sequence 353, App
722	15	4.5	1174	15	US-10-180-553-353	Sequence 353, App	795	15	4.5	1174	15	US-10-173-699-353	Sequence 353, App
723	15	4.5	1174	15	US-10-180-553-353	Sequence 353, App	796	15	4.5	1174	15	US-10-173-707-353	Sequence 353, App
724	15	4.5	1174	15	US-10-121-062-353	Sequence 353, App	797	15	4.5	1174	15	US-10-174-569-353	Sequence 353, App
725	15	4.5	1174	15	US-10-006-116A-323	Sequence 323, App	798	15	4.5	1174	15	US-10-174-587-353	Sequence 353, App
726	15	4.5	1174	15	US-10-006-117A-323	Sequence 323, App	799	15	4.5	1174	15	US-10-174-587-353	Sequence 353, App
727	15	4.5	1174	15	US-10-017-527A-323	Sequence 323, App	800	15	4.5	1174	15	US-10-174-589-353	Sequence 353, App
728	15	4.5	1174	15	US-10-183-003-353	Sequence 353, App	801	15	4.5	1174	15	US-10-174-591-353	Sequence 353, App
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733	15	4.5	1174	15	US-10-176-491-353	Sequence 353, App	806	15	4.5	1174	15	US-10-175-745-353	Sequence 353, App
734	15	4.5	1174	15	US-10-176-979-353	Sequence 353, App	807	15	4.5	1174	15	US-10-175-748-353	Sequence 353, App
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737	15	4.5	1174	15	US-10-197-691-353	Sequence 353, App	810	15	4.5	1174	15	US-10-176-489-353	Sequence 353, App
738	15	4.5	1174	15	US-10-198-771-353	Sequence 353, App	811	15	4.5	1174	15	US-10-176-754-353	Sequence 353, App
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740	15	4.5	1174	15	US-10-174-575A-353	Sequence 353, App	813	15	4.5	1174	15	US-10-176-755-353	Sequence 353, App
741	15	4.5	1174	15	US-10-179-520-353	Sequence 353, App	814	15	4.5	1174	15	US-10-176-755-353	Sequence 353, App
742	15	4.5	1174	15	US-10-201-325-353	Sequence 353, App	815	15	4.5	1174	15	US-10-176-920-353	Sequence 353, App
743	15	4.5	1174	15	US-10-202-941-353	Sequence 353, App	816	15	4.5	1174	15	US-10-176-922-353	Sequence 353, App
744	15	4.5	1174	15	US-10-205-910-353	Sequence 353, App	817	15	4.5	1174	15	US-10-176-924-353	Sequence 353, App

818	15	4.5	1174	15	US-10-176-984-353	Sequence 353, App	891	15	4.5	1326	13	US-10-282-122A-30176	Sequence 30176, A
819	15	4.5	1174	15	US-10-179-508-353	Sequence 353, App	C 892	15	4.5	1350	13	US-10-199-995-1	Sequence 1, Appli
820	15	4.5	1174	15	US-10-179-512-353	Sequence 353, App	C 893	15	4.5	1353	13	US-10-027-632-123809	Sequence 123809,
821	15	4.5	1174	15	US-10-179-515-353	Sequence 353, App	C 894	15	4.5	1353	16	US-10-027-632-123809	Sequence 123809,
822	15	4.5	1174	15	US-10-173-692-353	Sequence 353, App	C 895	15	4.5	1381	13	US-10-027-632-152443	Sequence 152443,
823	15	4.5	1174	15	US-10-015-392A-323	Sequence 323, App	C 896	15	4.5	1381	16	US-10-027-632-152443	Sequence 152443,
824	15	4.5	1174	15	US-10-017-306A-323	Sequence 323, App	C 897	15	4.5	1393	9	US-09-919-172-32	Sequence 32, Appli
825	15	4.5	1174	15	US-10-173-702-353	Sequence 353, App	C 898	15	4.5	1422	16	US-10-369-493-26752	Sequence 26752, A
826	15	4.5	1174	15	US-10-173-703-353	Sequence 353, App	C 899	15	4.5	1458	16	US-10-369-493-41808	Sequence 41808, A
827	15	4.5	1174	15	US-10-173-704-353	Sequence 353, App	C 900	15	4.5	1470	9	US-09-938-842A-1889	Sequence 1889, Ap
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829	15	4.5	1174	15	US-10-176-486-353	Sequence 353, App	C 902	15	4.5	1502	13	US-10-425-114-3286	Sequence 3286, A
830	15	4.5	1174	15	US-10-176-490-353	Sequence 353, App	C 903	15	4.5	1559	13	US-10-282-122A-19326	Sequence 19326, A
831	15	4.5	1174	15	US-10-176-752-353	Sequence 353, App	C 904	15	4.5	1617	13	US-10-282-122A-18989	Sequence 18989, A
832	15	4.5	1174	15	US-10-176-981-353	Sequence 353, App	C 905	15	4.5	1617	13	US-10-424-599-85258	Sequence 85258, A
833	15	4.5	1174	15	US-10-176-983-353	Sequence 353, App	C 906	15	4.5	1629	13	US-10-425-114-1294	Sequence 1294, Ap
834	15	4.5	1174	15	US-10-176-988-353	Sequence 353, App	C 907	15	4.5	1644	16	US-10-369-493-44898	Sequence 44898, A
835	15	4.5	1174	15	US-10-179-517-353	Sequence 353, App	C 908	15	4.5	1671	13	US-10-357-820-27	Sequence 27, Appl
836	15	4.5	1174	15	US-10-179-521-353	Sequence 353, App	C 909	15	4.5	1696	13	US-10-425-114-2078	Sequence 2078, Ap
837	15	4.5	1174	15	US-10-017-867A-323	Sequence 323, App	C 910	15	4.5	1727	16	US-10-264-237-1163	Sequence 1163, Ap
838	15	4.5	1174	15	US-10-012-064A-323	Sequence 323, App	C 911	15	4.5	1839	8	US-08-578-684-3	Sequence 3, Appli
839	15	4.5	1174	15	US-10-022-475-353	Sequence 353, App	C 912	15	4.5	1842	13	US-10-282-122A-26496	Sequence 26496, A
840	15	4.5	1174	15	US-10-013-909A-323	Sequence 323, App	C 913	15	4.5	1853	13	US-09-823-245A-443	Sequence 443, App
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842	15	4.5	1174	15	US-10-015-610A-323	Sequence 323, App	C 915	15	4.5	1896	13	US-10-282-122A-28333	Sequence 28333, A
843	15	4.5	1174	15	US-10-012-137A-323	Sequence 323, App	C 916	15	4.5	1911	9	US-09-815-342-7963	Sequence 7963, Ap
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845	15	4.5	1174	15	US-10-012-754A-323	Sequence 323, App	C 918	15	4.5	1992	16	US-10-369-493-42234	Sequence 42234, A
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847	15	4.5	1174	15	US-10-013-911A-323	Sequence 323, App	C 920	15	4.5	2009	9	US-09-529-063-33	Sequence 33, Appl
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852	15	4.5	1174	15	US-10-012-231A-323	Sequence 323, App	C 925	15	4.5	2123	13	US-10-425-114-33224	Sequence 33224, A
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854	15	4.5	1174	15	US-10-013-908A-323	Sequence 323, App	C 927	15	4.5	2126	15	US-10-300-453A-8	Sequence 8, Appli
855	15	4.5	1174	15	US-10-015-388A-323	Sequence 323, App	C 928	15	4.5	2127	15	US-10-300-453A-10	Sequence 10, Appl
856	15	4.5	1174	15	US-10-012-753A-323	Sequence 323, App	C 929	15	4.5	2156	13	US-10-425-114-3650	Sequence 3650, Ap
857	15	4.5	1174	15	US-10-015-385A-323	Sequence 323, App	C 930	15	4.5	2162	16	US-10-104-047-274	Sequence 274, App
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860	15	4.5	1174	16	US-10-015-518A-323	Sequence 323, App	C 933	15	4.5	2414	15	US-10-084-817-87	Sequence 87, Appl
861	15	4.5	1174	16	US-10-013-913A-323	Sequence 323, App	C 934	15	4.5	2423	16	US-10-085-117-182	Sequence 182, App
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871	15	4.5	1174	16	US-10-202-471-353	Sequence 353, App	C 944	15	4.5	2641	16	US-10-104-047-1176	Sequence 1176, Ap
872	15	4.5	1174	16	US-10-207-915-353	Sequence 353, App	C 945	15	4.5	2681	15	US-10-300-453A-35	Sequence 35, Appl
873	15	4.5	1174	16	US-10-015-390A-323	Sequence 323, App	C 946	15	4.5	2742	13	US-10-342-897-715	Sequence 715, App
874	15	4.5	1174	16	US-10-006-746A-323	Sequence 323, App	C 947	15	4.5	2742	13	US-10-172-118-715	Sequence 715, App
875	15	4.5	1174	16	US-10-011-795A-323	Sequence 323, App	C 948	15	4.5	2742	16	US-10-085-117-185	Sequence 185, App
876	15	4.5	1174	16	US-10-012-231A-323	Sequence 323, App	C 949	15	4.5	2749	13	US-10-027-632-112124	Sequence 112124,
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878	15	4.5	1174	17	US-10-206-916-353	Sequence 353, App	C 951	15	4.5	2767	13	US-10-301-533-23	Sequence 23, Appl
879	15	4.5	1191	9	US-09-770-445-48	Sequence 48, Appl	C 952	15	4.5	2776	16	US-10-334-143-159	Sequence 159, App
880	15	4.5	1206	16	US-10-369-493-24534	Sequence 24534, A	C 953	15	4.5	2889	16	US-10-085-117-213	Sequence 213, App
881	15	4.5	1209	16	US-10-369-493-46622	Sequence 46622, A	C 954	15	4.5	2975	14	US-10-114-893-213	Sequence 213, App
882	15	4.5	1216	16	US-10-305-720-1474	Sequence 1474, Ap	C 955	15	4.5	3271	10	US-09-865-879-6	Sequence 6, Appli
883	15	4.5	1218	13	US-10-027-632-254555	Sequence 254555,	C 956	15	4.5	3271	13	US-10-233-032A-8	Sequence 8, Appli
884	15	4.5	1218	16	US-10-027-632-254555	Sequence 254555,	C 957	15	4.5	3271	15	US-10-386-414-5	Sequence 5, Appli
885	15	4.5	1218	16	US-10-424-599-142420	Sequence 142420,	C 958	15	4.5	3356	16	US-10-300-453A-3	Sequence 3, Appli
886	15	4.5	1226	13	US-10-276-774-1020	Sequence 82767, A	C 959	15	4.5	3584	15	US-10-300-453A-37	Sequence 37, Appl
887	15	4.5	1253	13	US-10-424-599-82767	Sequence 1804, Ap	C 960	15	4.5	3623	15	US-10-087-192-191	Sequence 191, App
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/ NAME: Potter, Jane E. R.
/ REGISTRATION NUMBER: 33,332
/ REFERENCE/DOCKET NUMBER: 230018.401C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206) 622-4900
/ TELEFAX: (206) 682-6031
/ INFORMATION FOR SEQ ID NO: 76:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 76:
US-10-355-716-76

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Best Local Similarity 100.0%; Pred. No. 3.6e-31;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGTGGAGATACAGACGACAAAAC 60
DB 1 CGCTGCATCTTTTCTATGCTCTCCCTGCTGGCGTGGAGATACAGACGACAAAAC 60

QY 61 GGACAGCTCGT 71
DB 61 GGACAGCTCGT 71

RESULT 3
US-10-198-846-1775
/ Sequence 1775, Application US/10198846
/ Publication No. US2003009974A1
/ GENERAL INFORMATION:
/ APPLICANT: Lillie, James
/ APPLICANT: Xu, Yongyao
/ APPLICANT: Wang, Youzhen
/ APPLICANT: Steinmann, Kathleen
/ TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
/ TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
/ FILE REFERENCE: MRI-049
/ CURRENT APPLICATION NUMBER: US/10/198,846
/ PRIOR FILING DATE: 2002-07-18
/ PRIOR APPLICATION NUMBER: 60/306,220
/ PRIOR FILING DATE: 2001-07-18
/ NUMBER OF SEQ ID NOS: 14084
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1775
/ LENGTH: 412
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: misc feature
/ LOCATION: 3, 203, 293, 343, 398
/ OTHER INFORMATION: n = A,T,C or G
US-10-198-846-1775

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Best Local Similarity 100.0%; Pred. No. 0.025;
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DB 59 TTTTCTATGCTCTCCCTGCTGG 80

RESULT 4
US-10-198-846-8657
/ Sequence 8657, Application US/10198846
/ Publication No. US2003009974A1
/ GENERAL INFORMATION:
/ APPLICANT: Lillie, James
/ APPLICANT: Xu, Yongyao
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/ APPLICANT: Wang, Youzhen
/ APPLICANT: Steinmann, Kathleen
/ TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
/ TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
/ FILE REFERENCE: MRI-049
/ CURRENT APPLICATION NUMBER: US/10/198,846
/ CURRENT FILING DATE: 2002-07-18
/ PRIOR APPLICATION NUMBER: 60/306,220
/ PRIOR FILING DATE: 2001-07-18
/ NUMBER OF SEQ ID NOS: 14084
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 8657
/ LENGTH: 455
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: misc feature
/ LOCATION: 2, 7, 404, 454
/ OTHER INFORMATION: n = A,T,C or G
US-10-198-846-8657

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Best Local Similarity 100.0%; Pred. No. 0.025;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 TTTTCTATGCTCTCCCTGCTGG 32
DB 69 TTTTCTATGCTCTCCCTGCTGG 90

RESULT 5
US-10-037-270-625
/ Sequence 625, Application US/10037270
/ Publication No. US20030104529A1
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Zhang, Jie
/ APPLICANT: Ren, Feiyao
/ APPLICANT: Chen, Rui-hong
/ APPLICANT: Zhao, Qing A.
/ APPLICANT: Wehrman, Tom
/ APPLICANT: Xue, Aidong J.
/ APPLICANT: Yang, Yonghong
/ APPLICANT: Wang, Jian-Rui
/ APPLICANT: Zhou, Ping
/ APPLICANT: Ma, Yungqing
/ APPLICANT: Wang, Dunrui
/ APPLICANT: Wang, Zhiwei
/ APPLICANT: Tillinghast, John
/ APPLICANT: Dmanac, Radoje T.
/ TITLE OF INVENTION: NO. US20030104529A1el Nucleic Acids and
/ FILE REFERENCE: 784CIP2B
/ CURRENT APPLICATION NUMBER: US/10/037,270
/ CURRENT FILING DATE: 2002-01-04
/ PRIOR APPLICATION NUMBER: 09/552,317
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/488,725
/ PRIOR FILING DATE: 2000-01-21
/ NUMBER OF SEQ ID NOS: 1104
/ SOFTWARE: pt_FL_genes Version 1.0
/ SEQ ID NO 625
/ LENGTH: 1878
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ NAME/KEY: CDS
/ LOCATION: (945)..(1229)
US-10-037-270-625
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Query Match      6.5%; Score 22; DB 15; Length 1878;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 TTTTCTATGCTCTCCCTGCTGG 32
    |||||
Db 473 TTTTCTATGCTCTCCCTGCTGG 494

RESULT 6
US-10-117-722-625
; Sequence 625, Application US/10117722
; Publication No. US20030219744A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219744a1e1 Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2BCIP
; CURRENT APPLICATION NUMBER: US/10/117,722
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 09/620,312
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1104
; SOFTWARE: PC_Fl_genes version 1.0
; SEQ ID NO 625
; LOCATION: (945) ..(1229)
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (945) ..(1229)
US-10-117-722-625

Query Match      6.5%; Score 22; DB 16; Length 1878;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 TTTTCTATGCTCTCCCTGCTGG 32
    |||||
Db 473 TTTTCTATGCTCTCCCTGCTGG 494

RESULT 7
US-10-198-846-11013
; Sequence 11013, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lilie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11013
; LENGTH: 2061
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: misc feature
; LOCATION: 1_2_3_1831_1832_1833_1834_1835_1836_1837_1838,
; LOCATION: 1839_1840_1841_1842_1843_1844_1845_1846_1847_1848,
; LOCATION: 1849_1850_1851_1852_1853_1854_1855_1856_1860_2009,
; LOCATION: 2039_2040_2041_2042_2043_2044_2045_2046_2047
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2048_2049_2050_2051_2052_2053_2054_2055_2056_2057,
; LOCATION: 2058_2059_2060_2061
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-11013

Query Match      6.5%; Score 22; DB 15; Length 2061;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 TTTTCTATGCTCTCCCTGCTGG 32
    |||||
Db 436 TTTTCTATGCTCTCCCTGCTGG 457

RESULT 8
US-09-867-701-5894
; Sequence 5894, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5894
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-701-5894

Query Match      6.0%; Score 20; DB 9; Length 371;
Best Local Similarity 100.0%; Pred. No. 0.38;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 CTCCTGCTGGCGCTGATGG 41
    |||||
Db 24 CTCCTGCTGGCGCTGATGG 43

RESULT 9
US-09-867-701-2415
; Sequence 2415, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2415
; LENGTH: 457
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: misc feature
; LOCATION: (1)_(457)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-2415

Query Match
Best Local Similarity 6.0%; Score 20; DB 9; Length 457;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 CTCCTGCGCTGATGGGAGA 45
Db 32 CTCCTGCGCTGATGGGAGA 51

RESULT 10
US-10-273-438-1
; Sequence 1, Application US/10273438
; Publication No. US20030072757A1
; GENERAL INFORMATION:
; APPLICANT: Farese, Robert V.
; APPLICANT: Cases, Sylvaine
; APPLICANT: Smith, Steven
; APPLICANT: Erickson, Sandra
; TITLE OF INVENTION: Diacylglycerol O-Acyltransferase
; FILE REFERENCE: UCAL-105CIP2
; CURRENT APPLICATION NUMBER: US/10/273,438
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/10/040,315
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/107,771
; PRIOR FILING DATE: 1998-11-09
; PRIOR APPLICATION NUMBER: PCT/US98/17883
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: 09/103,754
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 09/339,472
; PRIOR FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1411
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-273-438-1

Query Match
Best Local Similarity 6.0%; Score 20; DB 15; Length 1411;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 CTCCTGCTGCGCTGATGG 41
Db 273 CTCCTGCTGCGCTGATGG 292

RESULT 11
US-10-040-315A-1
; Sequence 1, Application US/10040315A
; Publication No. US20030167483A1
; GENERAL INFORMATION:
; APPLICANT: Farese, Robert V.
; APPLICANT: Cases, Sylvaine
; APPLICANT: Smith, Steven
; APPLICANT: Erickson, Sandra
; TITLE OF INVENTION: Diacylglycerol O-Acyltransferase
; FILE REFERENCE: UCAL-105CIP2
; CURRENT APPLICATION NUMBER: US/10/040,315A
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/107,771
; PRIOR FILING DATE: 1998-11-09
; PRIOR APPLICATION NUMBER: PCT/US98/17883
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: 09/103,754
; PRIOR FILING DATE: 1998-06-24

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; PRIOR APPLICATION NUMBER: 09/339,472
; PRIOR FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1411
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-040-315A-1

Query Match
Best Local Similarity 6.0%; Score 20; DB 15; Length 1411;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 CTCCTGCTGCGCTGATGG 41
Db 273 CTCCTGCTGCGCTGATGG 292

RESULT 12
US-10-659-800-1
; Sequence 1, Application US/10659800
; Publication No. US20040078836A1
; GENERAL INFORMATION:
; APPLICANT: Farese, Robert V.
; APPLICANT: Cases, Sylvaine
; APPLICANT: Smith, Steven
; APPLICANT: Erickson, Sandra
; TITLE OF INVENTION: Diacylglycerol O-Acyltransferase
; FILE REFERENCE: UCAL-105CIP2CON2
; CURRENT APPLICATION NUMBER: US/10/659,800
; CURRENT FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 10/040,315
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/107,771
; PRIOR FILING DATE: 1998-11-09
; PRIOR APPLICATION NUMBER: PCT/US98/17883
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: 09/103,754
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 09/339,472
; PRIOR FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1411
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-659-800-1

Query Match
Best Local Similarity 6.0%; Score 20; DB 17; Length 1411;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 CTCCTGCTGCGCTGATGG 41
Db 273 CTCCTGCTGCGCTGATGG 292

RESULT 13
US-10-278-733-2
; Sequence 2, Application US/10278733
; Publication No. US20030100480A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Steven
; APPLICANT: Chen, Hubert
; APPLICANT: Farese, Robert V Jr
; TITLE OF INVENTION: Methods and compositions for modulating
; FILE REFERENCE: UCAL-105CIP4
; CURRENT APPLICATION NUMBER: US/10/278,733
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 10/040,315

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579 CTCCTGCTGGCGCTGATGG 598

RESULT 15

US-10-157-855-14

; Sequence 14, Application US/10157855

; Publication No. US20020170091A1

; GENERAL INFORMATION:

; APPLICANT: Lasaner, Michael W.

; APPLICANT: Ruzinskiy, Diane M.

; TITLE OF INVENTION: Acyl-CoA:Cholesterol Acyltransferase Related Nucleic

; FILE REFERENCE: 16516.158

; CURRENT APPLICATION NUMBER: US/10/157,855

; PRIOR FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: 09/326,203

; PRIOR FILING DATE: 1999-06-04

; PRIOR APPLICATION NUMBER: 60/088,143

; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/108,389

; PRIOR FILING DATE: 1998-11-12

; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 14

; LENGTH: 1895

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (209)

; OTHER INFORMATION: n at position 209 is unknown

US-10-157-855-14

Query Match 6.0%; Score 20; DB 14; Length 1895;

Best Local Similarity 100.0%; Pred. No. 0.37; Mismatches 0; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATGG 41

DB 524 CTCCTGCTGGCGCTGATGG 543

Search completed: June 4, 2004, 18:54:22

Job time : 296 secs

579 CTCCTGCTGGCGCTGATGG 598

RESULT 14

US-10-278-733-2

; Sequence 9, Application US/10278733

; Publication No. US20030100480A1

; GENERAL INFORMATION:

; APPLICANT: Smith, Steven

; APPLICANT: Chen, Hubert

; TITLE OF INVENTION: Methods and compositions for modulating

; FILE REFERENCE: UCAL-105CIP4

; CURRENT APPLICATION NUMBER: US/10/278,733

; PRIOR FILING DATE: 2002-10-21

; PRIOR APPLICATION NUMBER: 10/040,315

; PRIOR FILING DATE: 2001-10-29

; PRIOR APPLICATION NUMBER: 09/339,472

; PRIOR FILING DATE: 1999-06-23

; PRIOR APPLICATION NUMBER: 60/107,771

; PRIOR FILING DATE: 1998-11-09

; PRIOR APPLICATION NUMBER: PCT/US98/17883

; PRIOR FILING DATE: 1998-08-28

; PRIOR APPLICATION NUMBER: 09/103,754

; PRIOR FILING DATE: 1998-06-24

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 9

; LENGTH: 1467

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)....(1467)

; OTHER INFORMATION: Homo sapiens diacylglycerol O-acyltransferase

; OTHER INFORMATION: homolog 1 (DGAT1), coding sequence

US-10-278-733-2

Query Match 6.0%; Score 20; DB 15; Length 1467;

Best Local Similarity 100.0%; Pred. No. 0.37; Mismatches 0; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATGG 41

DB 579 CTCCTGCTGGCGCTGATGG 598

Search completed: June 4, 2004, 18:54:22

Job time : 296 secs